

इंटरनेट

मानक

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Mazdoor Kisan Shakti Sangathan

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Jawaharlal Nehru

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IS B786-S (1967): (Supplement) SI supplement to Indian Standard conversion factors and conversion tables (BI-LINGUAL) [PGD 1: Basic Standards]



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Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक
परिवर्तन गुणक और परिवर्तन सारिणियाँ
(प्रथम पुनरीक्षण)
का

एस. आई. पूरक -खण्ड

SI SUPPLEMENT TO
Indian Standard
CONVERSION FACTORS AND
CONVERSION TABLES
(*First Revision*)

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भारतीय मानक ब्यूरो
मानक भवन, 9 बहादुर शाह जफर मार्ग
नई दिल्ली 110002

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(प्रथम पुनरीक्षण)
का
एस० आई० पूरक-खण्ड

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मानक भवन, 9 बहादुर शाह जफर मार्ग
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SI SUPPLEMENT TO
Indian Standard
 CONVERSION FACTORS AND CONVERSION TABLES
 (First Revision)

भारतीय मानक

परिवर्तन गुणक और परिवर्तन सारिणियाँ
 (प्रथम पुनरीक्षण)

का

एस० आई० पूरक-खण्ड

0. FOREWORD

0.1 In the revision of IS: 786 Conversion Factors and Conversion Tables brought out in 1968 an attempt had been made to introduce the International System of Units wherever possible. This has been done mainly in the conversion factor tables by underlining the SI unit names. In the case of conversion tables, no special efforts were made to bring in the SI units since many of the metric units used were only multiples or sub-multiples of the relevant units.

0.2 With the emphasis now on the adoption of SI units only in trade and industry the need was felt to prepare the present supplement to IS: 786-1967 giving conversion tables from the fps and the metric systems to the SI and *vice versa*. Though every effort has been made to include as many tables as practicable in the supplement, it is not claimed that the list is exhaustive.

0.3 Where multiples or sub-multiples of SI units have been used in the tables appearing in this supplement, these have been chosen mainly for convenience in the presentation of tables and they may not be the most suitable multiples for practical use in any particular context. For a guidance as to the recommended multiples or sub-multiples of any SI units that may be used in a particular trade or industry, reference is

0. प्राक्कथन

0.1 परिवर्तन गुणकों और परिवर्तन सारिणियों सम्बन्धी भारतीय मानक (IS: 786) के 1968 में प्रकाशित पुनरीक्षित संस्करण में जहाँ भी सम्भव हुआ इकाइयों की अंतर्राष्ट्रीय प्रणाली (एस० आई०) लागू करने की चेष्टा की गई है और परिवर्तन सारिणियों में जहाँ भी अंतर्राष्ट्रीय इकाइयों के नाम आए हैं उनके नीचे लकीर डाल दी गई है। वैसे इन परिवर्तन-सारिणियों में अंतर्राष्ट्रीय प्रणाली (एस० आई०) की इकाइयाँ लागू करने का कोई विशेष रूप से प्रयत्न नहीं किया गया है क्योंकि प्रचलन में आई अनेक मीटरी इकाइयाँ केवल तत्सम्बन्धी इकाइयों के अपवर्त्य अथवा उप-अपवर्त्य ही हैं।

0.2 इस समय जोर दिया जा रहा है कि एस० आई० इकाइयों को ही व्यापार और उद्योग में लागू किया जाए। इस दृष्टि से यह आवश्यक समझा गया कि IS: 786 का वर्तमान पूरक-खण्ड तैयार किया जाए जिसमें फ० पी० से० और मीटरी प्रणालियों से एस० आई० इकाइयों में और एस० आई० इकाइयों से मीटरी प्रणाली में परिवर्तन करने की सारिणियाँ दी गई हों। इस पूरक-खण्ड में इस प्रकार की अधिक से अधिक सारिणियाँ देने की चेष्टा की गई है, फिर भी यह दावा नहीं किया जा सकता कि यह संकलन पूर्ण है।

0.3 इस पूरक-खण्ड में दी गई सारिणियों में कहीं-कहीं एस० आई० इकाइयों के अपवर्त्य अथवा उप-अपवर्त्य का उपयोग केवल मुख्य रूप से सारिणियों को प्रस्तुत करने की सुविधा को ध्यान में रखते हुए ही किया गया है, और यह भी हो सकता है कि वे अपवर्त्य और उप-अपवर्त्य किसी विशेष सदर्भ में व्यवहार के लिए सर्वाधिक उपयुक्त न भी हों। विभिन्न व्यापारों अथवा उद्योगों के लिए उपयुक्त एस० आई० इकाइयों के अपवर्त्य और उप-अपवर्त्य के

invited to the following publications:

ISO/R 1000 Rules for the use of units of the international system of units and a selection of the decimal multiples and sub-multiples of the SI units. International Organization for Standardization.

SP : 5-1969 Guide to the use of international system (SI) units.

0.4 In the case of conversion of certain quantities it has been found that the conversion factor used is the same or differs by a decimal multiple or sub-multiple. In all such cases suitable foot notes have been given under the tables indicating how the same table could be utilized for the conversion of different quantities.

0.5 In the expression of pressures measured by means of a column of water or of mercury, the value of the standard gravity 9.80665 m/s^2 corresponding to the mean sea level has been made use of.

0.6 The table numbers given in the supplement are in continuation of the tables appearing in IS : 786-1967.

0.7 Like the companion volume the supplement is also being brought out as a bilingual edition wherein the table headings, notes and the index are given in both English and Hindi.

सम्बन्ध में जानकारी निम्नलिखित प्रकाशनों में दी गई है:

ISO/R 1000 Rules for the use of units of the international system of units and a selection of the decimal multiples and sub-multiples of the SI units. अंतर्राष्ट्रीय मानक संगठन।

SP : 5-1969 Guide to the use of international system (SI) units.

0.4 कुछ परिमाणों के परिवर्तन में यह पाया गया है कि प्रयुक्त परिवर्तन-गुणक या तो वही है अथवा उसमें दशमिक अपवर्त्य अथवा उप-अपवर्त्य का ही अंतर है। ऐसी सभी स्थितियों में सारणियों के नीचे नोट दे दिए गए हैं जिनमें यह स्पष्ट कर दिया गया है कि उन्हीं सारणियों के द्वारा किस प्रकार ऐसे विभिन्न परिमाणों का भी परिवर्तन किया जा सकता है।

0.5 जल अथवा पारे के स्तम्भ के द्वारा नापे गए दाबों को प्रस्तुत करने में मध्यम समुद्र तल के अनुरूप मानक गुरुत्व के मान 9.80665 मी/से^2 का उपयोग किया गया है।

0.6 इस पूरक-खण्ड में दी गई सारणियाँ IS : 786 के पुनरीक्षित संस्करण में दी गई सारणियों के आगे उसी क्रम में हैं।

0.7 IS : 786 की ही भांति पूरक-खण्ड भी द्विभाषी संस्करण के रूप में निकाला जा रहा है। इसमें शीर्षक, नोट और सूचक अंग्रेजी और हिन्दी दोनों में दिए गए हैं।

1. SCOPE

1.1 This supplement to IS : 786-1967 gives conversion tables for converting the units in fps and metric systems to the units in SI system and *vice versa*.

1. विषय विस्तार

1.1 IS : 786-1967 के इस पूरक-खण्ड में फुट-पाउंड-सेकण्ड और मीटरी प्रणालियों से एस० आई० प्रणाली में तथा एस० आई० प्रणाली से फुट-पाउंड-सेकण्ड और मीटरी प्रणालियों में परिवर्तन के लिए सारणियाँ दी गई हैं।

2. LINEAR DENSITY (MASS PER UNIT LENGTH)

2. रेखीय घनत्व (द्रव्यमान प्रति लम्बाई इकाई)

TABLE 150 POUNDS PER INCH TO KILOGRAMS PER METRE

सारणी 150 पाउंड प्रति इंच से किलोग्राम प्रति मीटर में

Based on $\begin{cases} 1 \text{ lb} = 0.453\,592\,4 \text{ kg} \\ 1 \text{ in} = 0.025\,4 \text{ m} \end{cases}$

आधार $\begin{cases} 1 \text{ पाँ} = 0.453\,592\,4 \text{ किग्रा} \\ 1 \text{ इंच} = 0.025\,4 \text{ मी} \end{cases}$

Pounds per Inch पाउंड प्रति इंच	0	1	2	3	4	5	6	7	8	9
	Kilograms per metre (kg/m) (किलोग्राम प्रति मीटर किग्रा/मी)									
0	0	17.858 0	35.715 9	53.574	71.432	89.290	107.148	125.006	142.864	160.722
10	178.580	196.438	214.296	232.154	250.012	267.870	285.727	303.585	321.443	339.301
20	357.159	375.017	392.875	410.733	428.591	446.449	464.307	482.165	500.02	517.88
30	535.74	553.60	571.45	589.31	607.17	625.03	642.89	660.74	678.60	696.46
40	714.32	732.18	750.03	767.89	785.75	803.61	821.47	839.32	857.18	875.04
50	892.90	910.76	928.61	946.47	964.33	982.19	1000.05	1017.90	1035.76	1053.62
60	1071.48	1089.34	1107.19	1125.05	1142.91	1160.77	1178.63	1196.48	1214.34	1232.20
70	1250.06	1267.92	1285.77	1303.63	1321.49	1339.35	1357.21	1375.06	1392.92	1410.78
80	1428.64	1446.50	1464.35	1482.21	1500.07	1517.93	1535.79	1553.64	1571.50	1589.36
90	1607.22	1625.08	1642.93	1660.79	1678.65	1696.51	1714.36	1732.22	1750.08	1767.94
100	1785.80									

TABLE 151 KILOGRAMS PER METRE TO POUNDS PER INCH

सारणी 151 किलोग्राम प्रति मीटर से पाउंड प्रति इंच में

Based on $\begin{cases} 1 \text{ lb} = 0.453\,592\,4 \text{ kg} \\ 1 \text{ in} = 0.025\,4 \text{ m} \end{cases}$

आधार $\begin{cases} 1 \text{ पाँ} = 0.453\,592\,4 \text{ किग्रा} \\ 1 \text{ इंच} = 0.025\,4 \text{ मी} \end{cases}$

Kilograms per Metre किग्रा प्रति मीटर	0	1	2	3	4	5	6	7	8	9
	Pounds per inch (lb/in) पाउंड प्रति इंच (पाँ/इंच)									
0	0	0.055 997	0.111 995	0.167 992	0.223 990	0.279 987	0.335 984	0.391 982	0.447 979	0.503 98
10	0.559 97	0.615 97	0.671 97	0.727 97	0.783 96	0.839 96	0.895 96	0.951 96	1.007 95	1.063 95
20	1.119 95	1.175 95	1.231 94	1.287 94	1.343 94	1.399 94	1.455 93	1.511 93	1.567 93	1.623 92
30	1.679 92	1.735 92	1.791 92	1.847 91	1.903 91	1.959 91	2.015 91	2.071 90	2.127 90	2.183 90
40	2.239 90	2.295 89	2.351 89	2.407 89	2.463 89	2.519 88	2.575 88	2.631 88	2.687 88	2.743 87
50	2.799 87	2.855 87	2.911 87	2.967 86	3.023 86	3.079 86	3.135 86	3.191 85	3.247 85	3.303 85
60	3.359 84	3.415 84	3.471 84	3.527 84	3.583 83	3.639 83	3.695 83	3.751 83	3.807 82	3.863 82
70	3.919 82	3.975 82	4.031 81	4.087 81	4.143 81	4.199 81	4.255 80	4.311 80	4.367 80	4.423 80
80	4.479 79	4.535 79	4.591 79	4.647 79	4.703 78	4.759 78	4.815 78	4.871 77	4.927 77	4.983 77
90	5.039 8	5.095 8	5.151 8	5.207 8	5.263 8	5.319 8	5.375 8	5.431 7	5.487 7	5.543 7
100	5.599 7									

3. FORCE

3. बल

TABLE 152 KILOGRAMS-FORCE TO NEWTONS

सारणी 152 किलोग्राम-बल से न्यूटन में

Based on : 1 kgf = 9.806 65 N

आधार : 1 किलोग्राम = 9.806 65 न्यूटन

Kilo-grams-Force किलोग्राम-बल	0	1	2	3	4	5	6	7	8	9
	Newtons (N)									
	न्यूटन (न्यू)									
0	0	9.806 6	19 613 3	29 420 0	39 226 6	49 033 2	58 840	68 647	78 453	88 260
10	98 066	107 873	117 680	127 486	137 293	147 100	156 906	166 713	176 520	186 326
20	196 133	205 940	215 746	225 553	235 360	245 166	254 973	264 780	274 586	284 393
30	294 200	304 006	313 813	323 619	333 426	343 233	353 039	362 846	372 653	382 459
40	392 266	402 073	411 879	421 686	431 493	441 299	451 106	460 913	470 719	480 526
50	490 332	500 14	509 95	519 75	529 56	539 37	549 17	558 98	568 79	578 59
60	588 40	598 21	608 01	617 82	627 63	637 43	647 24	657 05	666 85	676 66
70	686 47	696 27	706 08	715 89	725 69	735 50	745 31	755 11	764 92	774 73
80	784 53	794 34	804 15	813 95	823 76	833 57	843 37	853 18	862 99	872 79
90	882 60	892 41	902 21	912 02	921 83	931 63	941 44	951 25	961 05	970 86
100	980 66	990 47	1 000 28	1 010 08	1 019 89	1 029 70	1 039 50	1 049 31	1 059 12	1 068 92
110	1 078 73	1 088 54	1 098 34	1 108 15	1 117 96	1 127 76	1 137 57	1 147 38	1 157 18	1 166 99
120	1 176 80	1 186 60	1 196 41	1 206 22	1 216 02	1 225 83	1 235 64	1 245 44	1 255 25	1 265 06
130	1 274 86	1 284 67	1 294 48	1 304 28	1 314 09	1 323 90	1 333 70	1 343 51	1 353 32	1 363 12
140	1 372 93	1 382 74	1 392 54	1 402 35	1 412 16	1 421 96	1 431 77	1 441 58	1 451 38	1 461 19
150	1 471 00	1 480 80	1 490 61	1 500 42	1 510 22	1 520 03	1 529 84	1 539 64	1 549 45	1 559 26
160	1 569 06	1 578 87	1 588 68	1 598 48	1 608 29	1 618 10	1 627 90	1 637 71	1 647 52	1 657 32
170	1 667 13	1 676 94	1 686 74	1 696 55	1 706 36	1 716 16	1 725 97	1 735 78	1 745 58	1 755 39
180	1 765 20	1 775 00	1 784 81	1 794 62	1 804 42	1 814 23	1 824 04	1 833 84	1 843 65	1 853 46
190	1 863 26	1 873 07	1 882 88	1 892 68	1 902 49	1 912 30	1 922 10	1 931 91	1 941 72	1 951 52
200	1 961 33	1 971 14	1 980 94	1 990 75	2 000 56	2 010 36	2 020 17	2 029 98	2 039 78	2 049 59
210	2 059 40	2 069 20	2 079 01	2 088 82	2 098 62	2 108 43	2 118 24	2 128 04	2 137 85	2 147 66
220	2 157 46	2 167 27	2 177 08	2 186 88	2 196 69	2 206 50	2 216 30	2 226 11	2 235 92	2 245 72
230	2 255 53	2 265 34	2 275 14	2 284 95	2 294 76	2 304 56	2 314 37	2 324 18	2 333 98	2 343 79
240	2 353 60	2 363 40	2 373 21	2 383 02	2 392 82	2 402 63	2 412 44	2 422 24	2 432 05	2 441 86
250	2 451 66	2 461 47	2 471 28	2 481 08	2 490 89	2 500 70	2 510 50	2 520 31	2 530 12	2 539 92
260	2 549 73	2 559 54	2 569 34	2 579 15	2 588 96	2 598 76	2 608 57	2 618 38	2 628 18	2 637 99
270	2 647 80	2 657 60	2 667 41	2 677 22	2 687 02	2 696 83	2 706 64	2 716 44	2 726 25	2 736 06
280	2 745 86	2 755 67	2 765 48	2 775 28	2 785 09	2 794 90	2 804 70	2 814 51	2 824 32	2 834 12
290	2 843 93	2 853 74	2 863 54	2 873 35	2 883 16	2 892 96	2 902 77	2 912 58	2 922 38	2 932 19
300	2 942 00	2 951 80	2 961 61	2 971 41	2 981 22	2 991 03	3 000 83	3 010 64	3 020 45	3 030 25
310	3 040 06	3 049 87	3 059 67	3 069 48	3 079 29	3 089 09	3 098 90	3 108 71	3 118 51	3 128 32
320	3 138 13	3 147 93	3 157 74	3 167 55	3 177 35	3 187 16	3 196 97	3 206 77	3 216 58	3 226 39
330	3 236 19	3 246 00	3 255 81	3 265 61	3 275 42	3 285 23	3 295 03	3 304 84	3 314 65	3 324 45
340	3 334 26	3 344 07	3 353 87	3 363 68	3 373 49	3 383 29	3 393 10	3 402 91	3 412 71	3 422 52
350	3 432 33	3 442 13	3 451 94	3 461 75	3 471 55	3 481 36	3 491 17	3 500 97	3 510 78	3 520 59
360	3 530 39	3 540 20	3 550 01	3 559 81	3 569 62	3 579 43	3 589 23	3 599 04	3 608 85	3 618 65
370	3 628 46	3 638 27	3 648 07	3 657 88	3 667 69	3 677 49	3 687 30	3 697 11	3 706 91	3 716 72
380	3 726 53	3 736 33	3 746 14	3 755 95	3 765 75	3 775 56	3 785 37	3 795 17	3 804 98	3 814 79
390	3 824 59	3 834 40	3 844 21	3 854 01	3 863 82	3 873 63	3 883 43	3 893 24	3 903 05	3 912 85
400	3 922 66	3 932 47	3 942 27	3 952 08	3 961 89	3 971 69	3 981 50	3 991 31	4 001 11	4 010 92
410	4 020 73	4 030 53	4 040 34	4 050 15	4 059 95	4 069 76	4 079 57	4 089 37	4 099 18	4 108 99
420	4 118 79	4 128 60	4 138 41	4 148 21	4 158 02	4 167 83	4 177 63	4 187 44	4 197 25	4 207 05
430	4 216 86	4 226 67	4 236 47	4 246 28	4 256 09	4 265 89	4 275 70	4 285 51	4 295 31	4 305 12
440	4 314 93	4 324 73	4 334 54	4 344 35	4 354 15	4 363 96	4 373 77	4 383 57	4 393 38	4 403 19
450	4 412 99	4 422 80	4 432 61	4 442 41	4 452 22	4 462 03	4 471 83	4 481 64	4 491 45	4 501 25
460	4 511 06	4 520 87	4 530 67	4 540 48	4 550 29	4 560 09	4 569 90	4 579 71	4 589 51	4 599 32
470	4 604 13	4 613 93	4 623 74	4 633 55	4 643 35	4 653 16	4 662 97	4 672 77	4 682 58	4 692 39
480	4 707 19	4 717 00	4 726 81	4 736 61	4 746 42	4 756 23	4 766 03	4 775 84	4 785 65	4 795 45
490	4 805 26	4 815 07	4 824 87	4 834 68	4 844 49	4 854 29	4 864 10	4 873 91	4 883 71	4 893 52
500	4 903 32	4 913 13	4 922 94	4 932 74	4 942 55	4 952 36	4 962 16	4 971 97	4 981 78	4 991 58

TABLE 152 KILOGRAMS-FORCE TO NEWTONS — *Contd*

सारणी 152 किलोग्राम-बल से न्यूटन में — जारी

Kilo- rams- Force किलोग्राम- बल	0	1	2	3	4	5	6	7	8	9
	Newtons (N)					न्यूटन (N)				
510	5 001.4	5 011.2	5 021.0	5 030.8	5 040.6	5 050.4	5 060.2	5 070.0	5 079.8	5 089.7
520	5 099.5	5 109.3	5 119.1	5 128.9	5 138.7	5 148.5	5 158.3	5 168.1	5 177.9	5 187.7
530	5 197.5	5 207.3	5 217.1	5 226.9	5 236.8	5 246.6	5 256.4	5 266.2	5 276.0	5 285.8
540	5 295.6	5 305.4	5 315.2	5 325.0	5 334.8	5 344.6	5 354.4	5 364.2	5 374.0	5 383.9
550	5 393.7	5 403.5	5 413.3	5 423.1	5 432.9	5 442.7	5 452.5	5 462.3	5 472.1	5 481.9
560	5 491.7	5 501.5	5 511.3	5 521.1	5 531.0	5 540.8	5 550.6	5 560.4	5 570.2	5 580.0
570	5 589.8	5 599.6	5 609.4	5 619.2	5 629.0	5 638.8	5 648.6	5 658.4	5 668.2	5 678.1
580	5 687.9	5 697.7	5 707.5	5 717.3	5 727.1	5 736.9	5 746.7	5 756.5	5 766.3	5 776.1
590	5 785.9	5 795.7	5 805.5	5 815.3	5 825.2	5 835.0	5 844.8	5 854.6	5 864.4	5 874.2
600	5 884.0	5 893.8	5 903.6	5 913.4	5 923.2	5 933.0	5 942.8	5 952.6	5 962.4	5 972.2
610	5 982.1	5 991.9	6 001.7	6 011.5	6 021.3	6 031.1	6 040.9	6 050.7	6 060.5	6 070.3
620	6 080.1	6 089.9	6 099.7	6 109.5	6 119.3	6 129.2	6 139.0	6 148.8	6 158.6	6 168.4
630	6 178.2	6 188.0	6 197.8	6 207.6	6 217.4	6 227.2	6 237.0	6 246.8	6 256.6	6 266.4
640	6 276.3	6 286.1	6 295.9	6 305.7	6 315.5	6 325.3	6 335.1	6 344.9	6 354.7	6 364.5
650	6 374.3	6 384.1	6 393.9	6 403.7	6 413.5	6 423.4	6 433.2	6 443.0	6 452.8	6 462.6
660	6 472.4	6 482.2	6 492.0	6 501.8	6 511.6	6 521.4	6 531.2	6 541.0	6 550.8	6 560.6
670	6 570.5	6 580.3	6 590.1	6 599.9	6 609.7	6 619.5	6 629.3	6 639.1	6 648.9	6 658.7
680	6 668.5	6 678.3	6 688.1	6 697.9	6 707.7	6 717.6	6 727.4	6 737.2	6 747.0	6 756.8
690	6 766.6	6 776.4	6 786.2	6 796.0	6 805.8	6 815.6	6 825.4	6 835.2	6 845.0	6 854.8
700	6 864.7	6 874.5	6 884.3	6 894.1	6 903.9	6 913.7	6 923.5	6 933.3	6 943.1	6 952.9
710	6 962.7	6 972.5	6 982.3	6 992.1	7 001.9	7 011.8	7 021.6	7 031.4	7 041.2	7 051.0
720	7 060.8	7 070.6	7 080.4	7 090.2	7 100.0	7 109.8	7 119.6	7 129.4	7 139.2	7 149.0
730	7 158.9	7 168.7	7 178.5	7 188.3	7 198.1	7 207.9	7 217.7	7 227.5	7 237.3	7 247.1
740	7 256.9	7 266.7	7 276.5	7 286.3	7 296.1	7 306.0	7 315.8	7 325.6	7 335.4	7 345.2
750	7 355.0	7 364.8	7 374.6	7 384.4	7 394.2	7 404.0	7 413.8	7 423.6	7 433.4	7 443.2
760	7 453.1	7 462.9	7 472.7	7 482.5	7 492.3	7 502.1	7 511.9	7 521.7	7 531.5	7 541.3
770	7 551.1	7 560.9	7 570.7	7 580.5	7 590.3	7 600.2	7 610.0	7 619.8	7 629.6	7 639.4
780	7 649.2	7 659.0	7 668.8	7 678.6	7 688.4	7 698.2	7 708.0	7 717.8	7 727.6	7 737.4
790	7 747.3	7 757.1	7 766.9	7 776.7	7 786.5	7 796.3	7 806.1	7 815.9	7 825.7	7 835.5
800	7 845.3	7 855.1	7 864.9	7 874.7	7 884.5	7 894.4	7 904.2	7 914.0	7 923.8	7 933.6
810	7 943.4	7 953.2	7 963.0	7 972.8	7 982.6	7 992.4	8 002.2	8 012.0	8 021.8	8 031.6
820	8 041.5	8 051.3	8 061.1	8 070.9	8 080.7	8 090.5	8 100.3	8 110.1	8 119.9	8 129.7
830	8 139.5	8 149.3	8 159.1	8 168.9	8 178.7	8 188.6	8 198.4	8 208.2	8 218.0	8 227.8
840	8 237.6	8 247.4	8 257.2	8 267.0	8 276.8	8 286.6	8 296.4	8 306.2	8 316.0	8 325.8
850	8 335.7	8 345.5	8 355.3	8 365.1	8 374.9	8 384.7	8 394.6	8 404.3	8 414.1	8 423.9
860	8 433.7	8 443.5	8 453.3	8 463.1	8 472.9	8 482.8	8 492.5	8 502.4	8 512.2	8 522.0
870	8 531.8	8 541.6	8 551.4	8 561.2	8 571.0	8 580.8	8 590.6	8 600.4	8 610.2	8 620.0
880	8 629.9	8 639.7	8 649.5	8 659.3	8 669.1	8 678.9	8 688.7	8 698.5	8 708.3	8 718.1
890	8 727.9	8 737.7	8 747.5	8 757.3	8 767.1	8 777.0	8 786.8	8 796.6	8 806.4	8 816.2
900	8 826.0	8 835.8	8 845.6	8 855.4	8 865.2	8 875.0	8 884.8	8 894.6	8 904.4	8 914.2
910	8 924.1	8 933.9	8 943.7	8 953.5	8 963.3	8 973.1	8 982.9	8 992.7	9 002.5	9 012.3
920	9 022.1	9 031.9	9 041.7	9 051.5	9 061.3	9 071.2	9 081.0	9 090.8	9 100.6	9 110.4
930	9 120.2	9 130.0	9 139.8	9 149.6	9 159.4	9 169.2	9 179.0	9 188.8	9 198.6	9 208.4
940	9 218.3	9 228.1	9 237.9	9 247.7	9 257.5	9 267.3	9 277.1	9 286.9	9 296.7	9 306.5
950	9 316.3	9 326.1	9 335.9	9 345.7	9 355.5	9 365.4	9 375.2	9 385.0	9 394.8	9 404.6
960	9 414.4	9 424.2	9 434.0	9 443.8	9 453.6	9 463.4	9 473.2	9 483.0	9 492.8	9 502.6
970	9 512.5	9 522.3	9 532.1	9 541.9	9 551.7	9 561.5	9 571.3	9 581.1	9 590.9	9 600.7
980	9 610.5	9 620.3	9 630.1	9 639.9	9 649.7	9 659.6	9 669.4	9 679.2	9 689.0	9 698.8
990	9 708.6	9 718.4	9 728.2	9 738.0	9 747.8	9 757.6	9 767.4	9 777.2	9 787.0	9 796.8
1 000	9 806.6									

(Continued)

IS: 786 - 1967 (Supplement)

NOTE 1 — By simply shifting the decimal point to one place to the left, the above table can also be used for converting:

- Kilograms-force per square centimetre to kilonewtons per square metre, and
- Centimetres of water to newtons per square metre.

For example, $1 \text{ kgf/cm}^2 = 0.98066 \text{ kN/m}^2$, and $1 \text{ cm H}_2\text{O} = 0.98066 \text{ N/m}^2$.

नोट 1 — दशमलव बिन्दु को एक स्थान बाईं ओर खिसका देने से ऊपर दी सारणी का निम्नलिखित परिवर्तनों के लिए भी उपयोग किया जा सकता है:

- किलोग्राम-बल प्रति वर्ग सेंटीमीटर से किलोन्यूटन प्रति वर्ग मीटर में, और
- सेंटिमीटर जल स्तम्भ से न्यूटन प्रति वर्ग मीटर में।

उदाहरण, $1 \text{ किगाब/सेमी}^2 = 0.98066 \text{ किन्यू/मी}^2$, और $1 \text{ सेमी H}_2\text{O} = 0.98066 \text{ न्यू/मी}^2$ ।

NOTE 2 — By simply shifting the decimal point to two places to the left, the above table can also be used for converting kilograms-force per square millimetre to meganewtons per square metre.

For example, $1 \text{ kgf/mm}^2 = 0.098066 \text{ MN/m}^2$.

नोट 2 — दशमलव बिन्दु को दो स्थान बाईं ओर खिसका देने से ऊपर दी सारणी का किलोग्राम-बल प्रति वर्ग मिलिमीटर से मेगान्यूटन प्रति वर्ग मीटर में परिवर्तन के लिए भी उपयोग किया जा सकता है:

उदाहरण, $1 \text{ किगाब/मिमी}^2 = 0.098066 \text{ मेन्यू/मी}^2$ ।

NOTE 3 — By simply shifting the decimal point to three places to the left, the above table can also be used for converting:

- Kilograms-force per square centimetre to bar, and
- Kilograms-force per square millimetre to hectobar.

For example, $1 \text{ kgf/cm}^2 = 0.0098066 \text{ bar}$, and $1 \text{ kgf/mm}^2 = 0.0098066 \text{ hbar}$.

नोट 3 — केवल दशमलव बिन्दु को तीन स्थान बाईं ओर खिसका देने से ऊपर दी सारणी का निम्नलिखित परिवर्तनों के लिए भी उपयोग किया जा सकता है:

- किलोग्राम-बल प्रति वर्ग सेंटीमीटर से बार में, और
- किलोग्राम-बल प्रति वर्ग मिलिमीटर से हेक्टोबार में।

उदाहरण, $1 \text{ किगाब/सेमी}^2 = 0.0098066 \text{ बार}$, और $1 \text{ किगाब/मिमी}^2 = 0.0098066 \text{ हेबार}$ ।

NOTE 4 — This table may also be used directly for converting kilograms-force metre to joules, since $1 \text{ kgf m} = 9.8066 \text{ J}$.

नोट 4 — इस सारणी का उपयोग किलोग्राम-बल मीटर से जूल में परिवर्तन करने में ज्यों का त्यों किया जा सकता है, क्योंकि $1 \text{ किगाब मी} = 9.8066 \text{ जूल}$ ।

TABLE 153 NEWTONS TO KILOGRAMS-FORCE

Based on : 1 kgf = 9.806 65 N

सारणी 153 न्यूटन से किलोग्राम-बल में
आधार : 1 किलोग्राम = 9.806 65 न्यूटन

Newton न्यूटन	0	1	2	3	4	5	6	7	8	9
	Kilograms-force (kgf)									
	किलोग्राम-बल									
0	0	0.101 972	0.203 943	0.305 915	0.407 886	0.509 86	0.611 83	0.713 80	0.815 77	0.917 74
10	1.019 72	1.121 69	1.223 66	1.325 63	1.427 60	1.529 57	1.631 55	1.733 52	1.835 49	1.937 46
20	2.039 43	2.141 40	2.243 38	2.345 35	2.447 32	2.549 29	2.651 26	2.753 23	2.855 21	2.957 18
30	3.059 15	3.161 12	3.263 09	3.365 06	3.467 04	3.569 01	3.670 98	3.772 95	3.874 92	3.976 89
40	4.078 86	4.180 84	4.282 81	4.384 78	4.486 75	4.588 72	4.690 69	4.792 67	4.894 64	4.996 61
50	5.098 6	5.200 6	5.302 5	5.404 5	5.506 5	5.608 4	5.710 4	5.812 4	5.914 4	6.016 3
60	6.118 3	6.220 3	6.322 2	6.424 2	6.526 2	6.628 2	6.730 1	6.832 1	6.934 1	7.036 0
70	7.138 0	7.240 0	7.342 0	7.443 9	7.545 9	7.647 9	7.749 8	7.851 8	7.953 8	8.055 8
80	8.157 7	8.259 7	8.361 7	8.463 6	8.565 6	8.667 6	8.769 6	8.871 5	8.973 5	9.075 5
90	9.177 4	9.279 4	9.381 4	9.483 4	9.585 3	9.687 3	9.789 3	9.891 2	9.993 2	10.095 2
100	10.19 72	10.299 1	10.401 1	10.503 1	10.605 0	10.707 0	10.809 0	10.911 0	11.012 9	11.114 9
110	11.216 9	11.318 8	11.420 8	11.522 8	11.624 8	11.726 7	11.828 7	11.930 7	12.032 7	12.134 6
120	12.236 6	12.338 6	12.440 5	12.542 5	12.644 5	12.746 5	12.848 4	12.950 4	13.052 4	13.154 3
130	13.256 3	13.358 3	13.460 3	13.562 2	13.664 2	13.766 2	13.868 1	13.970 1	14.072 1	14.174 1
140	14.276 0	14.378 0	14.480 0	14.581 9	14.683 9	14.785 9	14.887 9	14.989 8	15.091 8	15.193 8
150	15.295 7	15.397 7	15.499 7	15.601 7	15.703 6	15.805 6	15.907 6	16.009 5	16.111 5	16.213 5
160	16.315 5	16.417 4	16.519 4	16.621 4	16.723 3	16.825 3	16.927 3	17.029 3	17.131 2	17.233 2
170	17.335 2	17.437 1	17.539 1	17.641 1	17.743 1	17.845 0	17.947 0	18.049 0	18.150 9	18.252 9
180	18.354 9	18.456 9	18.558 8	18.660 8	18.762 8	18.864 7	18.966 7	19.068 7	19.170 7	19.272 6
190	19.374 6	19.476 6	19.578 6	19.680 5	19.782 5	19.884 5	19.986 4	20.088 4	20.190 4	20.292 4
200	20.394 3	20.496 3	20.598 3	20.700 2	20.802 2	20.904 2	21.006 2	21.108 1	21.210 1	21.312 1
210	21.414 0	21.5 60	21.618 0	21.720 0	21.821 9	21.923 9	22.025 9	22.127 8	22.229 8	22.331 8
220	22.433 5	22.535 5	22.637 4	22.739 4	22.841 4	22.943 4	23.045 4	23.147 3	23.249 3	23.351 3
230	23.453 5	23.555 4	23.657 4	23.759 4	23.861 4	23.963 3	24.065 3	24.167 3	24.269 2	24.371 2
240	24.473 2	24.575 2	24.677 1	24.779 1	24.881 1	24.983 0	25.085 0	25.187 0	25.289 0	25.390 9
250	25.492 9	25.594 9	25.696 8	25.798 8	25.900 8	26.002 8	26.104 7	26.206 7	26.308 7	26.410 6
260	26.512 6	26.614 6	26.716 6	26.818 5	26.920 5	27.022 5	27.124 5	27.226 4	27.328 4	27.430 4
270	27.532 3	27.634 3	27.736 3	27.838 3	27.940 2	28.042 2	28.144 2	28.246 1	28.348 1	28.450 1
280	28.552 1	28.654 0	28.756 0	28.858 0	28.959 9	29.061 9	29.163 9	29.265 9	29.367 8	29.469 8
290	29.571 8	29.673 7	29.775 7	29.877 7	29.979 7	30.081 6	30.183 6	30.285 6	30.387 5	30.489 5
300	30.591 5	30.693 5	30.795 4	30.897 4	30.999 4	31.101 3	31.203 3	31.305 3	31.407 3	31.509 2
310	31.611 2	31.713 2	31.815 1	31.917 1	32.019 1	32.121 1	32.223 0	32.325 0	32.427 0	32.528 9
320	32.630 9	32.732 9	32.834 9	32.936 8	33.038 8	33.140 8	33.242 7	33.344 7	33.446 7	33.548 7
330	33.650 6	33.752 6	33.854 6	33.956 5	34.058 5	34.160 5	34.262 5	34.364 4	34.466 4	34.568 4
340	34.670 4	34.772 3	34.874 3	34.976 3	35.078 2	35.180 2	35.282 2	35.384 2	35.486 1	35.588 1
350	35.690 1	35.792 0	35.894 0	35.996 0	36.098 0	36.199 9	36.301 9	36.403 9	36.505 8	36.607 8
360	36.709 8	36.811 8	36.913 7	37.015 7	37.117 7	37.219 6	37.321 6	37.423 6	37.525 6	37.627 5
370	37.729 5	37.831 5	37.933 4	38.035 4	38.137 4	38.239 4	38.341 3	38.443 3	38.545 3	38.647 2
380	38.749 2	38.851 2	38.953 2	39.055 1	39.157 1	39.259 1	39.361 0	39.463 0	39.565 0	39.667 0
390	39.768 9	39.870 9	39.972 9	40.074 8	40.176 8	40.278 8	40.380 8	40.482 7	40.584 7	40.686 7
400	40.788 6	40.890 6	40.992 6	41.094 6	41.196 5	41.298 5	41.400 5	41.502 4	41.604 4	41.706 4
410	41.808 4	41.910 3	42.012 3	42.114 3	42.216 3	42.318 2	42.420 2	42.522 2	42.624 1	42.726 1
420	42.828 1	42.930 1	43.032 0	43.134 0	43.236 0	43.337 9	43.439 9	43.541 9	43.643 9	43.745 8
430	43.847 8	43.949 8	44.051 7	44.153 7	44.255 7	44.357 7	44.459 6	44.561 6	44.663 6	44.765 5
440	44.867 5	44.969 5	45.071 5	45.173 4	45.275 4	45.377 4	45.479 3	45.581 3	45.683 3	45.785 3
450	45.887 2	45.989 2	46.091 2	46.193 1	46.295 1	46.397 1	46.499 1	46.601 0	46.703 0	46.805 0
460	46.906 9	47.008 9	47.110 9	47.212 9	47.314 8	47.416 8	47.518 8	47.620 7	47.722 7	47.824 7
470	47.926 7	48.028 6	48.130 6	48.232 6	48.334 5	48.436 5	48.538 5	48.640 5	48.742 4	48.844 4
480	48.946 4	49.048 3	49.150 3	49.252 3	49.354 3	49.456 2	49.558 2	49.660 2	49.762 2	49.864 1
490	49.966 1	50.068	50.170	50.272	50.374	50.476	50.578	50.680	50.782	50.884
500	50.986	51.088	51.190	51.292	51.394	51.496	51.598	51.700	51.802	51.904

TABLE 153 NEWTONS TO KILOGRAMS-FORCE — Contd

सारणी 153 न्यूटन से किलोग्राम-बल में — जारी

Newton न्यूटन	0	1	2	3	4	5	6	7	8	9
Kilograms-force (kgf)										किलोग्राम-बल (किग्राब)
510	52.006	52.107	52.209	52.311	52.413	52.515	52.617	52.719	52.821	52.923
520	53.025	53.127	53.229	53.331	53.433	53.535	53.637	53.739	53.841	53.943
530	54.045	54.147	54.249	54.351	54.453	54.555	54.657	54.759	54.861	54.963
540	55.065	55.167	55.269	55.371	55.473	55.575	55.677	55.778	55.880	55.982
550	56.084	56.186	56.288	56.390	56.492	56.594	56.696	56.798	56.900	57.002
560	57.104	57.206	57.308	57.410	57.512	57.614	57.716	57.818	57.920	58.022
570	58.124	58.226	58.328	58.430	58.532	58.634	58.736	58.838	58.940	59.042
580	59.144	59.246	59.347	59.449	59.551	59.653	59.755	59.857	59.959	60.061
590	60.163	60.265	60.367	60.469	60.571	60.673	60.775	60.877	60.979	61.081
600	61.183	61.285	61.387	61.489	61.591	61.693	61.795	61.897	61.999	62.101
610	62.203	62.305	62.407	62.509	62.611	62.713	62.815	62.916	63.018	63.120
620	63.222	63.324	63.426	63.528	63.630	63.732	63.834	63.936	64.038	64.140
630	64.242	64.344	64.446	64.548	64.650	64.752	64.854	64.956	65.058	65.160
640	65.262	65.364	65.466	65.568	65.670	65.772	65.874	65.976	66.078	66.180
650	66.282	66.384	66.485	66.587	66.689	66.791	66.893	66.995	67.097	67.199
660	67.301	67.403	67.505	67.607	67.709	67.811	67.913	68.015	68.117	68.219
670	68.321	68.423	68.525	68.627	68.729	68.831	68.933	69.035	69.137	69.239
680	69.341	69.443	69.545	69.647	69.749	69.851	69.953	70.055	70.156	70.258
690	70.360	70.462	70.564	70.666	70.768	70.870	70.972	71.074	71.176	71.278
700	71.380	71.482	71.584	71.686	71.788	71.890	71.992	72.094	72.196	72.298
710	72.400	72.502	72.604	72.706	72.808	72.910	73.012	73.114	73.216	73.318
720	73.420	73.522	73.624	73.725	73.827	73.929	74.031	74.133	74.235	74.337
730	74.439	74.541	74.643	74.745	74.847	74.949	75.051	75.153	75.255	75.357
740	75.459	75.561	75.663	75.765	75.867	75.969	76.071	76.173	76.275	76.377
750	76.479	76.581	76.683	76.785	76.887	76.989	77.091	77.193	77.294	77.396
760	77.498	77.600	77.702	77.804	77.906	78.008	78.110	78.212	78.314	78.416
770	78.518	78.620	78.722	78.824	78.926	79.028	79.130	79.232	79.334	79.436
780	79.538	79.640	79.742	79.844	79.946	80.048	80.150	80.252	80.354	80.456
790	80.558	80.660	80.762	80.863	80.965	81.067	81.169	81.271	81.373	81.475
800	81.577	81.679	81.781	81.883	81.985	82.087	82.189	82.291	82.393	82.495
810	82.597	82.699	82.801	82.903	83.005	83.107	83.209	83.311	83.413	83.515
820	83.617	83.719	83.821	83.923	84.025	84.127	84.229	84.331	84.433	84.534
830	84.636	84.738	84.840	84.942	85.044	85.146	85.248	85.350	85.452	85.554
840	85.656	85.758	85.860	85.962	86.064	86.166	86.268	86.370	86.472	86.574
850	86.676	86.778	86.880	86.982	87.084	87.186	87.288	87.390	87.492	87.594
860	87.696	87.798	87.900	88.002	88.103	88.205	88.307	88.409	88.511	88.613
870	88.715	88.817	88.919	89.021	89.123	89.225	89.327	89.429	89.531	89.633
880	89.735	89.837	89.939	90.041	90.143	90.245	90.347	90.449	90.551	90.653
890	90.755	90.857	90.959	91.061	91.163	91.265	91.367	91.469	91.571	91.672
900	91.774	91.876	91.978	92.080	92.182	92.284	92.386	92.488	92.590	92.692
910	92.794	92.896	92.998	93.100	93.202	93.304	93.406	93.508	93.610	93.712
920	93.814	93.916	94.018	94.120	94.222	94.324	94.426	94.528	94.630	94.732
930	94.834	94.936	95.038	95.140	95.241	95.343	95.445	95.547	95.649	95.751
940	95.853	95.955	96.057	96.159	96.261	96.363	96.465	96.567	96.669	96.771
950	96.873	96.975	97.077	97.179	97.281	97.383	97.485	97.587	97.689	97.791
960	97.893	97.995	98.097	98.199	98.301	98.403	98.505	98.607	98.709	98.811
970	98.912	99.014	99.116	99.218	99.320	99.422	99.524	99.626	99.728	99.830
980	99.932	100.034	100.136	100.238	100.340	100.442	100.544	100.646	100.748	100.850
990	100.952	101.054	101.156	101.258	101.360	101.462	101.564	101.666	101.768	101.870
1 000	101.972									

(Continued)

NOTE 1 — By simply shifting the decimal point to one place to the right, the above table can also be used for converting:

- a) kilonewtons per square metre to kilograms force per square centimetre, and
- b) newtons per square metre to centimetres of water.

For example, $1 \text{ kN/m}^2 = 1.01972 \text{ kgf/cm}^2$, and $1 \text{ N/m}^2 = 1.01972 \text{ cm H}_2\text{O}$.

नोट 1 — दशमलव बिंदु को एक स्थान दाईं ओर खिसका देने से ऊपर दी सारिणी को निम्नलिखित परिवर्तनों के लिए भी उपयोग किया जा सकता है:

- क) किलोन्यूटन प्रति वर्ग सेंटीमीटर से किलोग्राम-बल प्रति वर्ग सेंटीमीटर में, और
- ख) न्यूटन प्रति वर्ग मीटर से सेंटीमीटर जल स्तम्भ में।

उदाहरण, $1 \text{ कि॰न्यू॰ मी}^2 = 1.01972 \text{ कि॰ग्रा॰/सेमी}^2$, और $1 \text{ न्यू॰/मी}^2 = 1.01972 \text{ सेमी H}_2\text{O}$ ।

NOTE 2 — By simply shifting the decimal point to two places to the right, the above table can also be used for converting meganewtons per square metre to kilograms-force per square millimetre.

For example, $1 \text{ MN/m}^2 = 10.1972 \text{ kgf/mm}^2$.

नोट 2 — दशमलव बिंदु को दो स्थान दाईं ओर खिसका देने से ऊपर दी सारिणी को मेगान्यूटन प्रति वर्ग मीटर से किलोग्राम-बल प्रति वर्ग मिलिमीटर में परिवर्तन के लिए भी उपयोग किया जा सकता है।

उदाहरण, $1 \text{ मे॰न्यू॰ मी}^2 = 10.1972 \text{ कि॰ग्रा॰/मिमी}^2$ ।

NOTE 3 — By simply shifting the decimal point to three places to the right the above table can also be used for converting:

- a) bar to kilograms-force per square centimetre, and
- b) hectobar to kilograms-force per square millimetre.

For example, $1 \text{ bar} = 101.972 \text{ kgf/cm}^2$, and $1 \text{ hbar} = 101.972 \text{ kgf/mm}^2$.

नोट 3 — दशमलव बिंदु को तीन स्थान दाईं ओर खिसका देने से ऊपर दी सारिणी को निम्नलिखित परिवर्तनों के लिए भी उपयोग किया जा सकता है:

- क) बार से किलोग्राम-बल प्रति वर्ग सेंटीमीटर में, और
- ख) हेक्टोबार से किलोग्राम-बल प्रति वर्ग मिलिमीटर में।

उदाहरण, $1 \text{ बार} = 101.972 \text{ कि॰ग्रा॰/सेमी}^2$, और $1 \text{ हेबार} = 101.972 \text{ कि॰ग्रा॰/मिमी}^2$ ।

NOTE 4 — This table may also be used directly for converting joules to kilograms-force metre, since $1 \text{ J} = 0.101972 \text{ kgf/m}$.

नोट 4 — इस सारिणी का उपयोग जूल से किलोग्राम-बल मीटर में परिवर्तन करने में ज्यों-का-त्यों किया जा सकता है, क्योंकि $1 \text{ जूल} = 0.101972 \text{ कि॰ग्रा॰ मी}।$

TABLE 154 POUNDS-FORCE TO NEWTONS

हारीणो 154 पौंड-बल से न्यूटन में

आधार { 1 पौंड = 0.453 592 4 किलोग्राम
1 किलोग्राम = 9.806 65 न्यूटन

Pounds-Force पौंड-बल	0	1	2	3	4	5	6	7	8	9
Newtons (N)										न्यूटन (न्यू)
0	0	4.448 22	8.896 4	13.344 7	17.792 9	22.241 1	26.689 3	31.137 6	35.585 8	40.034 0
10	44.482 2	48.930 4	53.379	57.827	62.275	66.723	71.172	75.620	80.068	84.516
20	88.964	93.413	97.861	102.309	106.757	111.206	115.654	120.102	124.550	128.998
30	133.447	137.895	142.343	146.791	151.240	155.688	160.136	164.584	169.032	173.481
40	177.929	182.377	186.825	191.274	195.722	200.170	204.618	209.066	213.515	217.963
50	222.411	226.859	231.308	235.756	240.204	244.652	249.100	253.549	257.997	262.445
60	266.893	271.342	275.790	280.238	284.686	289.134	293.583	298.031	302.479	306.927
70	311.376	315.824	320.272	324.720	329.168	333.617	338.065	342.513	346.961	351.410
80	355.858	360.306	364.754	369.202	373.651	378.099	382.547	386.995	391.444	395.892
90	400.340	404.788	409.236	413.685	418.133	422.581	427.029	431.478	435.926	440.374
100	444.822	449.270	453.719	458.167	462.615	467.063	471.512	475.960	480.408	484.856
110	489.304	493.753	498.201	502.65	507.10	511.55	515.99	520.44	524.89	529.34
120	513.79	518.23	522.68	527.13	531.58	536.03	540.48	544.92	549.37	553.82
130	578.27	582.72	587.17	591.61	596.06	600.51	604.96	609.41	613.85	618.30
140	622.75	627.20	631.65	636.10	640.54	644.99	649.44	653.89	658.34	662.79
150	667.23	671.68	676.13	680.58	685.03	689.47	693.92	698.37	702.82	707.27
160	711.72	716.16	720.61	725.06	729.51	733.96	738.40	742.85	747.30	751.75
170	756.20	760.65	765.09	769.54	773.99	778.44	782.89	787.34	791.78	796.23
180	800.68	805.13	809.58	814.02	818.47	822.92	827.37	831.82	836.27	840.71
190	845.16	849.61	854.06	858.51	862.96	867.40	871.85	876.30	880.75	885.20
200	889.64	894.09	898.54	902.99	907.44	911.89	916.33	920.78	925.23	929.68
210	934.13	938.57	943.02	947.47	951.92	956.37	960.82	965.26	969.71	974.16
220	978.61	983.06	987.51	991.95	996.40	1 000.85	1 005.30	1 009.75	1 014.19	1 018.64
230	1 023.09	1 027.54	1 031.99	1 036.44	1 040.88	1 045.33	1 049.78	1 054.23	1 058.68	1 063.13
240	1 067.57	1 072.02	1 076.47	1 080.92	1 085.37	1 089.81	1 094.26	1 098.71	1 103.16	1 107.61
250	1 112.06	1 116.50	1 120.95	1 125.40	1 129.85	1 134.30	1 138.74	1 143.19	1 147.64	1 152.09
260	1 156.54	1 160.99	1 165.43	1 169.88	1 174.33	1 178.78	1 183.23	1 187.68	1 192.12	1 196.57
270	1 201.02	1 205.47	1 209.92	1 214.36	1 218.81	1 223.26	1 227.71	1 232.16	1 236.61	1 241.05
280	1 245.50	1 249.95	1 254.40	1 258.85	1 263.30	1 267.74	1 272.19	1 276.64	1 281.09	1 285.54
290	1 289.98	1 294.43	1 298.88	1 303.33	1 307.78	1 312.23	1 316.67	1 321.12	1 325.57	1 330.02
300	1 334.47	1 338.91	1 343.36	1 347.81	1 352.26	1 356.71	1 361.16	1 365.60	1 370.05	1 374.50
310	1 378.95	1 383.40	1 387.85	1 392.29	1 396.74	1 401.19	1 405.64	1 410.09	1 414.53	1 418.98
320	1 423.43	1 427.88	1 432.33	1 436.78	1 441.22	1 445.67	1 450.12	1 454.57	1 459.02	1 463.47
330	1 467.91	1 472.36	1 476.81	1 481.26	1 485.71	1 490.15	1 494.60	1 499.05	1 503.50	1 507.95
340	1 512.40	1 516.84	1 521.29	1 525.74	1 530.19	1 534.64	1 539.08	1 543.53	1 547.98	1 552.43
350	1 556.88	1 561.33	1 565.77	1 570.22	1 574.67	1 579.12	1 583.57	1 588.02	1 592.46	1 596.91
360	1 601.36	1 605.81	1 610.26	1 614.70	1 619.15	1 623.60	1 628.05	1 632.50	1 636.95	1 641.39
370	1 645.84	1 650.29	1 654.74	1 659.19	1 663.63	1 668.08	1 672.53	1 676.98	1 681.43	1 685.88
380	1 690.32	1 694.77	1 699.22	1 703.67	1 708.12	1 712.57	1 717.01	1 721.46	1 725.91	1 730.36
390	1 734.81	1 739.25	1 743.70	1 748.15	1 752.60	1 757.05	1 761.50	1 765.94	1 770.39	1 774.84
400	1 779.29	1 783.74	1 788.19	1 792.63	1 797.08	1 801.53	1 805.98	1 810.43	1 814.87	1 819.32
410	1 823.77	1 828.22	1 832.67	1 837.12	1 841.56	1 846.01	1 850.46	1 854.91	1 859.36	1 863.80
420	1 868.25	1 872.70	1 877.15	1 881.60	1 886.05	1 890.49	1 894.94	1 899.39	1 903.84	1 908.29
430	1 912.74	1 917.18	1 921.63	1 926.08	1 930.53	1 934.98	1 939.42	1 943.87	1 948.32	1 952.77
440	1 957.22	1 961.67	1 966.11	1 970.56	1 975.01	1 979.46	1 983.91	1 988.36	1 992.80	1 997.25
450	2 001.70	2 006.15	2 010.60	2 015.04	2 019.49	2 023.94	2 028.39	2 032.84	2 037.29	2 041.73
460	2 046.18	2 050.63	2 055.08	2 059.53	2 063.97	2 068.42	2 072.87	2 077.32	2 081.77	2 086.22
470	2 090.66	2 095.11	2 099.56	2 104.01	2 108.46	2 112.91	2 117.35	2 121.80	2 126.25	2 130.70
480	2 135.15	2 139.59	2 144.04	2 148.49	2 152.94	2 157.39	2 161.84	2 166.28	2 170.73	2 175.18
490	2 179.63	2 184.08	2 188.53	2 192.97	2 197.42	2 201.87	2 206.32	2 210.77	2 215.21	2 219.66
500	2 224.11	2 228.56	2 233.01	2 237.46	2 241.90	2 246.35	2 250.80	2 255.25	2 259.70	2 264.14

(Continued)

TABLE 154 POUNDS-FORCE TO NEWTONS — Contd

सारणी 154 पौंड-बल से न्यूटन में — जारी

Pounds-Force पौंड-बल	0	1	2	3	4	5	6	7	8	9
Newtons (N)										न्यूटन (न्यू)
510	2 268.59	2 273.04	2 277.49	2 281.94	2 286.39	2 290.83	2 295.28	2 299.73	2 304.18	2 308.63
520	2 313.08	2 317.52	2 321.97	2 326.42	2 330.87	2 335.32	2 339.76	2 344.21	2 348.66	2 353.11
530	2 357.56	2 362.01	2 366.45	2 370.90	2 375.35	2 379.80	2 384.25	2 388.70	2 393.14	2 397.59
540	2 402.04	2 406.49	2 410.94	2 415.38	2 419.83	2 424.28	2 428.73	2 433.18	2 437.63	2 442.07
550	2 446.52	2 450.97	2 455.42	2 459.87	2 464.31	2 468.76	2 473.21	2 477.66	2 482.11	2 486.56
560	2 491.00	2 495.45	2 499.90	2 504.35	2 508.80	2 513.25	2 517.69	2 522.14	2 526.59	2 531.04
570	2 535.49	2 539.93	2 544.38	2 548.83	2 553.28	2 557.73	2 562.18	2 566.62	2 571.07	2 575.52
580	2 579.97	2 584.42	2 588.87	2 593.31	2 597.76	2 602.21	2 606.66	2 611.11	2 615.55	2 620.00
590	2 624.45	2 628.90	2 633.35	2 637.80	2 642.24	2 646.69	2 651.14	2 655.59	2 660.04	2 664.48
600	2 668.93	2 673.38	2 677.83	2 682.28	2 686.73	2 691.17	2 695.62	2 700.07	2 704.52	2 708.97
610	2 713.42	2 717.86	2 722.31	2 726.76	2 731.21	2 735.66	2 740.10	2 744.55	2 749.00	2 753.45
620	2 757.90	2 762.35	2 766.79	2 771.24	2 775.69	2 780.14	2 784.59	2 789.04	2 793.48	2 797.93
630	2 802.38	2 806.83	2 811.28	2 815.72	2 820.17	2 824.62	2 829.07	2 833.52	2 837.97	2 842.41
640	2 846.86	2 851.31	2 855.76	2 860.21	2 864.65	2 869.10	2 873.55	2 878.00	2 882.45	2 886.90
650	2 891.34	2 895.79	2 900.24	2 904.69	2 909.14	2 913.59	2 918.03	2 922.48	2 926.93	2 931.38
660	2 935.83	2 940.27	2 944.72	2 949.17	2 953.62	2 958.07	2 962.52	2 966.96	2 971.41	2 975.86
670	2 980.31	2 984.76	2 989.21	2 993.65	2 998.10	3 002.55	3 007.00	3 011.45	3 015.89	3 020.34
680	3 024.79	3 029.24	3 033.69	3 038.14	3 042.58	3 047.03	3 051.48	3 055.93	3 060.38	3 064.82
690	3 069.27	3 073.72	3 078.17	3 082.62	3 087.07	3 091.51	3 095.96	3 100.41	3 104.86	3 109.31
700	3 113.76	3 118.20	3 122.65	3 127.10	3 131.55	3 136.00	3 140.44	3 144.89	3 149.34	3 153.79
710	3 158.24	3 162.69	3 167.13	3 171.58	3 176.03	3 180.48	3 184.93	3 189.38	3 193.82	3 198.27
720	3 202.72	3 207.17	3 211.62	3 216.06	3 220.51	3 224.96	3 229.41	3 233.86	3 238.31	3 242.75
730	3 247.20	3 251.65	3 256.10	3 260.55	3 264.99	3 269.44	3 273.89	3 278.34	3 282.79	3 287.24
740	3 291.68	3 296.13	3 300.58	3 305.03	3 309.48	3 313.93	3 318.37	3 322.82	3 327.27	3 331.72
750	3 336.17	3 340.61	3 345.06	3 349.51	3 353.96	3 358.41	3 362.86	3 367.30	3 371.75	3 376.20
760	3 380.65	3 385.10	3 389.55	3 393.99	3 398.44	3 402.89	3 407.34	3 411.79	3 416.23	3 420.68
770	3 425.13	3 429.58	3 434.03	3 438.48	3 442.92	3 447.37	3 451.82	3 456.27	3 460.72	3 465.16
780	3 469.61	3 474.06	3 478.51	3 482.96	3 487.41	3 491.85	3 496.30	3 500.75	3 505.20	3 509.65
790	3 514.10	3 518.54	3 522.99	3 527.44	3 531.89	3 536.34	3 540.78	3 545.23	3 549.68	3 554.13
800	3 558.58	3 563.03	3 567.47	3 571.92	3 576.37	3 580.82	3 585.27	3 589.72	3 594.16	3 598.61
810	3 603.06	3 607.51	3 611.96	3 616.40	3 620.85	3 625.30	3 629.75	3 634.20	3 638.65	3 643.09
820	3 647.54	3 651.99	3 656.44	3 660.89	3 665.33	3 669.78	3 674.23	3 678.68	3 683.13	3 687.58
830	3 692.02	3 696.47	3 700.92	3 705.37	3 709.82	3 714.27	3 718.71	3 723.16	3 727.61	3 732.06
840	3 736.51	3 740.95	3 745.40	3 749.85	3 754.30	3 758.75	3 763.20	3 767.64	3 772.09	3 776.54
850	3 780.99	3 785.44	3 789.89	3 794.33	3 798.78	3 803.23	3 807.68	3 812.13	3 816.57	3 821.02
860	3 825.47	3 829.92	3 834.37	3 838.82	3 843.26	3 847.71	3 852.16	3 856.61	3 861.06	3 865.50
870	3 869.95	3 874.40	3 878.85	3 883.30	3 887.75	3 892.19	3 896.64	3 901.09	3 905.54	3 909.99
880	3 914.44	3 918.88	3 923.33	3 927.78	3 932.23	3 936.68	3 941.12	3 945.57	3 950.02	3 954.47
890	3 958.92	3 963.37	3 967.81	3 972.26	3 976.71	3 981.16	3 985.61	3 990.06	3 994.50	3 998.95
900	4 003.40	4 007.85	4 012.30	4 016.74	4 021.19	4 025.64	4 030.09	4 034.54	4 038.99	4 043.43
910	4 047.88	4 052.33	4 056.78	4 061.23	4 065.67	4 070.12	4 074.57	4 079.02	4 083.47	4 087.92
920	4 092.36	4 096.81	4 101.26	4 105.71	4 110.16	4 114.61	4 119.05	4 123.50	4 127.95	4 132.40
930	4 136.85	4 141.29	4 145.74	4 150.19	4 154.64	4 159.09	4 163.54	4 167.98	4 172.43	4 176.88
940	4 181.33	4 185.78	4 190.23	4 194.67	4 199.12	4 203.57	4 208.02	4 212.47	4 216.91	4 221.36
950	4 225.81	4 230.26	4 234.71	4 239.16	4 243.60	4 248.05	4 252.50	4 256.95	4 261.40	4 265.84
960	4 270.29	4 274.74	4 279.19	4 283.64	4 288.09	4 292.53	4 296.98	4 301.43	4 305.88	4 310.33
970	4 314.78	4 319.22	4 323.67	4 328.12	4 332.57	4 337.02	4 341.46	4 345.91	4 350.36	4 354.81
980	4 359.26	4 363.71	4 368.15	4 372.60	4 377.05	4 381.50	4 385.95	4 390.40	4 394.84	4 399.29
990	4 403.74	4 408.19	4 412.64	4 417.08	4 421.53	4 425.98	4 430.43	4 434.88	4 439.33	4 443.77
1 000	4 448.22									

TABLE 155 NEWTONS TO POUNDS-FORCE

सारणी 155 न्यूटन से पौंड-बल में

Based on $\begin{cases} 1 \text{ lbf} = 0.453\,592\,4 \text{ kgf} \\ 1 \text{ kgf} = 9.806\,65 \text{ N} \end{cases}$ आधार $\begin{cases} 1 \text{ पौंड} = 0.453\,592\,4 \text{ किलोग्राम} \\ 1 \text{ किलोग्राम} = 9.806\,65 \text{ न्यूटन} \end{cases}$

Newton न्यूटन	0	1	2	3	4	5	6	7	8	9
	Pounds-force (lbf)									
	पौंड-बल (पौंड)									
0	0	0.224 809	0.449 618	0.674 43	0.899 24	1.124 04	1.348 85	1.573 66	1.798 47	2.023 28
10	2.248 09	2.472 90	2.697 71	2.922 52	3.147 32	3.372 13	3.596 94	3.821 75	4.046 56	4.271 37
20	4.496 18	4.720 99	4.945 80	5.170 6	5.395 4	5.620 2	5.845 0	6.069 8	6.294 6	6.519 5
30	6.744 3	6.969 1	7.193 9	7.418 7	7.643 5	7.868 3	8.093 1	8.317 9	8.542 7	8.767 5
40	8.992 4	9.217 2	9.442 0	9.666 8	9.891 6	10.116 4	10.341 2	10.566 0	10.790 8	11.015 6
50	11.240 4	11.465 3	11.690 1	11.914 9	12.139 7	12.364 5	12.589 3	12.814 1	13.038 9	13.263 7
60	13.488 5	13.713 3	13.938 2	14.163 0	14.387 8	14.612 6	14.837 4	15.062 2	15.287 0	15.511 8
70	15.736 6	15.961 4	16.186 2	16.411 1	16.635 9	16.860 7	17.085 5	17.310 3	17.535 1	17.759 9
80	17.984 7	18.209 5	18.434 3	18.659 1	18.883 9	19.108 8	19.333 6	19.558 4	19.783 2	20.008 0
90	20.232 8	20.457 6	20.682 4	20.907 2	21.132 0	21.356 8	21.581 7	21.806 5	22.031 3	22.256 1
100	22.480 9	22.705 7	22.930 5	23.155 3	23.380 1	23.604 9	23.829 7	24.054 6	24.279 4	24.504 2
110	24.729 0	24.953 8	25.178 6	25.403 4	25.628 2	25.853 0	26.077 8	26.302 6	26.527 5	26.752 3
120	26.977 1	27.201 9	27.426 7	27.651 5	27.876 3	28.101 1	28.325 9	28.550 7	28.775 5	29.000 4
130	29.225 2	29.450 0	29.674 8	29.899 6	30.124 4	30.349 2	30.574 0	30.798 8	31.023 6	31.248 4
140	31.473 2	31.698 1	31.922 9	32.147 7	32.372 5	32.597 3	32.822 1	33.046 9	33.271 7	33.496 5
150	33.721 3	33.946 1	34.171 0	34.395 8	34.620 6	34.845 4	35.070 2	35.295 0	35.519 8	35.744 6
160	35.969 4	36.194 2	36.419 0	36.643 9	36.868 7	37.093 5	37.318 3	37.543 1	37.767 9	37.992 7
170	38.217 5	38.442 3	38.667 1	38.891 9	39.116 8	39.341 6	39.566 4	39.791 2	40.016 0	40.240 8
180	40.465 6	40.690 4	40.915 2	41.140 0	41.364 8	41.589 7	41.814 5	42.039 3	42.264 1	42.488 9
190	42.713 7	42.938 5	43.163 3	43.388 1	43.612 9	43.837 7	44.062 5	44.287 4	44.512 2	44.737 0
200	44.961 8	45.186 6	45.411 4	45.636 2	45.861 0	46.085 8	46.310 6	46.535 4	46.760 3	46.985 1
210	47.209 9	47.434 7	47.659 5	47.884 3	48.109 1	48.333 9	48.558 7	48.783 5	49.008 3	49.233 2
220	49.458 0	49.682 8	49.907 6	50.132	50.357	50.582	50.807	51.032	51.256	51.481
230	51.706	51.931	52.156	52.380	52.605	52.830	53.055	53.280	53.505	53.729
240	53.954	54.179	54.404	54.629	54.853	55.078	55.303	55.528	55.753	55.977
250	56.202	56.427	56.652	56.877	57.101	57.326	57.551	57.776	58.001	58.226
260	58.450	58.675	58.900	59.125	59.350	59.574	59.799	60.024	60.249	60.474
270	60.698	60.923	61.148	61.373	61.598	61.822	62.047	62.272	62.497	62.722
280	62.946	63.171	63.396	63.621	63.846	64.071	64.295	64.520	64.745	64.970
290	65.195	65.419	65.644	65.869	66.094	66.319	66.543	66.768	66.993	67.218
300	67.443	67.667	67.892	68.117	68.342	68.567	68.792	69.016	69.241	69.466
310	69.691	69.916	70.140	70.365	70.590	70.815	71.040	71.264	71.489	71.714
320	71.939	72.164	72.388	72.613	72.838	73.063	73.288	73.513	73.737	73.962
330	74.187	74.412	74.637	74.861	75.086	75.311	75.536	75.761	75.985	76.210
340	76.435	76.660	76.885	77.109	77.334	77.559	77.784	78.009	78.234	78.458
350	78.683	78.908	79.133	79.358	79.582	79.807	80.032	80.257	80.482	80.706
360	80.931	81.156	81.381	81.606	81.830	82.055	82.280	82.505	82.730	82.954
370	83.179	83.404	83.629	83.854	84.079	84.303	84.528	84.753	84.978	85.203
380	85.427	85.652	85.877	86.102	86.327	86.551	86.776	87.001	87.226	87.451
390	87.675	87.900	88.125	88.350	88.575	88.800	89.024	89.249	89.474	89.699
400	89.924	90.148	90.373	90.598	90.823	91.048	91.272	91.497	91.722	91.947
410	92.172	92.396	92.621	92.846	93.071	93.296	93.521	93.745	93.970	94.195
420	94.420	94.645	94.869	95.094	95.319	95.544	95.769	95.993	96.218	96.443
430	96.668	96.893	97.117	97.342	97.567	97.792	98.017	98.242	98.466	98.691
440	98.916	99.141	99.366	99.590	99.815	100.040	100.265	100.490	100.714	100.939
450	101.164	101.389	101.614	101.838	102.063	102.288	102.513	102.738	102.962	103.187
460	103.412	103.637	103.862	104.087	104.311	104.536	104.761	104.986	105.211	105.435
470	105.660	105.885	106.110	106.335	106.559	106.784	107.009	107.234	107.459	107.683
480	107.908	108.133	108.358	108.583	108.808	109.032	109.257	109.482	109.707	109.932
490	110.156	110.381	110.606	110.831	111.056	111.280	111.505	111.730	111.955	112.180
500	112.404	112.629	112.854	113.079	113.304	113.529	113.753	113.978	114.203	114.428

(Continued)

TABLE 155 NEWTONS TO POUNDS-FORCE — *Contd*

तारिका 155 न्यूटन से पौंड-बल में — जारी

Newton न्यूटन	0	1	2	3	4	5	6	7	8	9
Pounds-force (lbf)					पौंड-बल (पौब)					
510	114.653	114.877	115.102	115.327	115.552	115.777	116.001	116.226	116.451	116.676
520	116.901	117.125	117.350	117.575	117.800	118.025	118.249	118.474	118.699	118.924
530	119.149	119.374	119.598	119.823	120.048	120.273	120.498	120.722	120.947	121.172
540	121.397	121.622	121.846	122.071	122.296	122.521	122.746	122.970	123.195	123.420
550	123.645	123.870	124.095	124.319	124.544	124.769	124.994	125.219	125.443	125.668
560	125.893	126.118	126.343	126.567	126.792	127.017	127.242	127.467	127.691	127.916
570	128.141	128.366	128.591	128.816	129.040	129.265	129.490	129.715	129.940	130.164
580	130.389	130.614	130.839	131.064	131.288	131.513	131.738	131.963	132.188	132.412
590	132.637	132.862	133.087	133.312	133.537	133.761	133.986	134.211	134.436	134.661
600	134.885	135.110	135.335	135.560	135.785	136.009	136.234	136.459	136.684	136.909
610	137.133	137.358	137.583	137.808	138.033	138.257	138.482	138.707	138.932	139.157
620	139.382	139.606	139.831	140.056	140.281	140.506	140.730	140.955	141.180	141.405
630	141.630	141.854	142.079	142.304	142.529	142.754	142.978	143.203	143.428	143.653
640	143.878	144.103	144.327	144.552	144.777	145.002	145.227	145.451	145.676	145.901
650	146.126	146.351	146.575	146.800	147.025	147.250	147.475	147.699	147.924	148.149
660	148.374	148.599	148.824	149.048	149.273	149.498	149.723	149.948	150.172	150.397
670	150.622	150.847	151.072	151.296	151.521	151.746	151.971	152.196	152.420	152.645
680	152.870	153.095	153.320	153.544	153.769	153.994	154.219	154.444	154.669	154.893
690	155.118	155.343	155.568	155.793	156.017	156.242	156.467	156.692	156.917	157.141
700	157.366	157.591	157.816	158.041	158.265	158.490	158.715	158.940	159.165	159.390
710	159.614	159.839	160.064	160.289	160.514	160.738	160.963	161.188	161.413	161.638
720	161.862	162.087	162.312	162.537	162.762	162.986	163.211	163.436	163.661	163.886
730	164.111	164.335	164.560	164.785	165.010	165.235	165.459	165.684	165.909	166.134
740	166.359	166.583	166.808	167.033	167.258	167.483	167.707	167.932	168.157	168.382
750	168.607	168.832	169.056	169.281	169.506	169.731	169.956	170.180	170.405	170.630
760	170.855	171.080	171.304	171.529	171.754	171.979	172.204	172.428	172.653	172.878
770	173.103	173.328	173.552	173.777	174.002	174.227	174.452	174.677	174.901	175.126
780	175.351	175.576	175.801	176.025	176.250	176.475	176.700	176.925	177.149	177.374
790	177.599	177.824	178.049	178.273	178.498	178.723	178.948	179.173	179.398	179.622
800	179.847	180.072	180.297	180.522	180.746	180.971	181.196	181.421	181.646	181.870
810	182.095	182.320	182.545	182.770	182.994	183.219	183.444	183.669	183.894	184.119
820	184.343	184.568	184.793	185.018	185.243	185.467	185.692	185.917	186.142	186.367
830	186.591	186.816	187.041	187.266	187.491	187.715	187.940	188.165	188.390	188.615
840	188.839	189.064	189.289	189.514	189.739	189.964	190.188	190.413	190.638	190.863
850	191.088	191.312	191.537	191.762	191.987	192.212	192.436	192.661	192.886	193.111
860	193.336	193.560	193.785	194.010	194.235	194.460	194.685	194.909	195.134	195.359
870	195.584	195.809	196.033	196.258	196.483	196.708	196.933	197.157	197.382	197.607
880	197.832	198.057	198.281	198.506	198.731	198.956	199.181	199.406	199.630	199.855
890	200.080	200.305	200.530	200.754	200.979	201.204	201.429	201.654	201.878	202.103
900	202.328	202.553	202.778	203.002	203.227	203.452	203.677	203.902	204.127	204.351
910	204.576	204.801	205.026	205.251	205.475	205.700	205.925	206.150	206.375	206.599
920	206.824	207.049	207.274	207.499	207.723	207.948	208.173	208.398	208.623	208.847
930	209.072	209.297	209.522	209.747	209.972	210.196	210.421	210.646	210.871	211.096
940	211.320	211.545	211.770	211.995	212.220	212.444	212.669	212.894	213.119	213.344
950	213.568	213.793	214.018	214.243	214.468	214.693	214.917	215.142	215.367	215.592
960	215.817	216.041	216.266	216.491	216.716	216.941	217.165	217.390	217.615	217.840
970	218.065	218.289	218.514	218.739	218.964	219.189	219.414	219.638	219.863	220.088
980	220.313	220.538	220.762	220.987	221.212	221.437	221.662	221.886	222.111	222.336
990	222.561	222.786	223.010	223.235	223.460	223.685	223.910	224.135	224.359	224.584
1 000	224.809									

TABLE 156 TONS-FORCE TO KILOWEIGHTS

Based on $\left\{ \begin{array}{l} 1 \text{ tonf} = 2240 \text{ lbf} \\ 1 \text{ lbf} = 0.4535924 \text{ kgf} \\ 1 \text{ kgf} = 9.80665 \text{ N} \end{array} \right.$

सारणी 156 टन-बल से किलोन्यूटन में

आधार $\left\{ \begin{array}{l} 1 \text{ टनब} = 2240 \text{ पीब} \\ 1 \text{ पीब} = 0.4535924 \text{ किग्राब} \\ 1 \text{ किग्राब} = 9.80665 \text{ न्यू} \end{array} \right.$

Tons Force टन-बल	0	1	2	3	4	5	6	7	8	9
Kiloweights (kN)	किलोन्यूटन (किलो)									
0	0	9.964 0	19.928 0	29.892 1	39.856 1	49.820 1	59.784	69.748	79.712	89.676
10	99.640	109.604	119.568	129.532	139.496	149.460	159.424	169.388	179.352	189.316
20	199.280	209.244	219.208	229.172	239.136	249.100	259.064	269.028	278.992	288.956
30	298.921	308.885	318.849	328.813	338.777	348.741	358.705	368.669	378.633	388.597
40	398.561	408.525	418.489	428.453	438.417	448.381	458.345	468.309	478.273	488.237
50	498.201	508.165	518.129	528.093	538.057	548.021	557.985	567.949	577.913	587.877
60	597.84	607.804	617.768	627.732	637.696	647.660	657.624	667.588	677.552	687.516
70	697.48	707.444	717.408	727.372	737.336	747.300	757.264	767.228	777.192	787.156
80	797.12	807.084	817.048	827.012	836.976	846.940	856.904	866.868	876.832	886.796
90	896.76	906.724	916.688	926.652	936.616	946.580	956.544	966.508	976.472	986.436
100	996.40	1006.364	1016.328	1026.292	1036.256	1046.220	1056.184	1066.148	1076.112	1086.076
110	1096.04	1106.004	1115.968	1125.932	1135.896	1145.860	1155.824	1165.788	1175.752	1185.716
120	1195.68	1205.644	1215.608	1225.572	1235.536	1245.500	1255.464	1265.428	1275.392	1285.356
130	1295.32	1305.284	1315.248	1325.212	1335.176	1345.140	1355.104	1365.068	1375.032	1385.000
140	1394.96	1404.924	1414.888	1424.852	1434.816	1444.780	1454.744	1464.708	1474.672	1484.636
150	1494.60	1504.564	1514.528	1524.492	1534.456	1544.420	1554.384	1564.348	1574.312	1584.276
160	1594.24	1604.204	1614.168	1624.132	1634.096	1644.060	1654.024	1663.988	1673.952	1683.916
170	1693.88	1703.844	1713.808	1723.772	1733.736	1743.700	1753.664	1763.628	1773.592	1783.556
180	1793.52	1803.484	1813.448	1823.412	1833.376	1843.340	1853.304	1863.268	1873.232	1883.196
190	1893.16	1903.124	1913.088	1923.052	1933.016	1942.980	1952.944	1962.908	1972.872	1982.836
200	1992.80	2002.764	2012.728	2022.692	2032.656	2042.620	2052.584	2062.548	2072.512	2082.476
210	2092.44	2102.404	2112.368	2122.332	2132.296	2142.260	2152.224	2162.188	2172.152	2182.116
220	2192.08	2202.044	2212.008	2221.972	2231.936	2241.900	2251.864	2261.828	2271.792	2281.756
230	2291.72	2301.684	2311.648	2321.612	2331.576	2341.540	2351.504	2361.468	2371.432	2381.396
240	2391.36	2401.324	2411.288	2421.252	2431.216	2441.180	2451.144	2461.108	2471.072	2481.036
250	2491.00	2500.964	2510.928	2520.892	2530.856	2540.820	2550.784	2560.748	2570.712	2580.676
260	2590.64	2600.604	2610.568	2620.532	2630.496	2640.460	2650.424	2660.388	2670.352	2680.316
270	2690.28	2700.244	2710.208	2720.172	2730.136	2740.100	2750.064	2760.028	2770.000	2779.964
280	2789.92	2799.884	2809.848	2819.812	2829.776	2839.740	2849.704	2859.668	2869.632	2879.596
290	2889.56	2899.524	2909.488	2919.452	2929.416	2939.380	2949.344	2959.308	2969.272	2979.236
300	2989.20	2999.164	3009.128	3019.092	3029.056	3039.020	3048.984	3058.948	3068.912	3078.876
310	3088.84	3098.804	3108.768	3118.732	3128.696	3138.660	3148.624	3158.588	3168.552	3178.516
320	3188.48	3198.444	3208.408	3218.372	3228.336	3238.300	3248.264	3258.228	3268.192	3278.156
330	3288.12	3298.084	3308.048	3318.012	3327.976	3337.940	3347.904	3357.868	3367.832	3377.796
340	3387.76	3397.724	3407.688	3417.652	3427.616	3437.580	3447.544	3457.508	3467.472	3477.436
350	3487.40	3497.364	3507.328	3517.292	3527.256	3537.220	3547.184	3557.148	3567.112	3577.076
360	3587.04	3597.004	3606.968	3616.932	3626.896	3636.860	3646.824	3656.788	3666.752	3676.716
370	3686.68	3696.644	3706.608	3716.572	3726.536	3736.500	3746.464	3756.428	3766.392	3776.356
380	3786.32	3796.284	3806.248	3816.212	3826.176	3836.140	3846.104	3856.068	3866.032	3876.000
390	3885.96	3895.924	3905.888	3915.852	3925.816	3935.780	3945.744	3955.708	3965.672	3975.636
400	3985.60	3995.564	4005.528	4015.492	4025.456	4035.420	4045.384	4055.348	4065.312	4075.276
410	4085.24	4095.204	4105.168	4115.132	4125.096	4135.060	4145.024	4155.000	4164.964	4174.928
420	4184.88	4194.844	4204.808	4214.772	4224.736	4234.700	4244.664	4254.628	4264.592	4274.556
430	4284.52	4294.484	4304.448	4314.412	4324.376	4334.340	4344.304	4354.268	4364.232	4374.196
440	4384.16	4394.124	4404.088	4414.052	4424.016	4433.980	4443.944	4453.908	4463.872	4473.836
450	4483.80	4493.764	4503.728	4513.692	4523.656	4533.620	4543.584	4553.548	4563.512	4573.476
460	4583.44	4593.404	4603.368	4613.332	4623.296	4633.260	4643.224	4653.188	4663.152	4673.116
470	4683.08	4693.044	4703.008	4712.972	4722.936	4732.900	4742.864	4752.828	4762.792	4772.756
480	4782.72	4792.684	4802.648	4812.612	4822.576	4832.540	4842.504	4852.468	4862.432	4872.396
490	4882.36	4892.324	4902.288	4912.252	4922.216	4932.180	4942.144	4952.108	4962.072	4972.036
500	4982.00	4991.964	5001.928	5011.892	5021.856	5031.820	5041.784	5051.748	5061.712	5071.676

TABLE 156 TONS-FORCE TO KILOWEIGHTS — Contd

सारणी 156 टन-बल से किलोव्यूटन में — जारी

Tons-Force टन-बल	0	1	2	3	4	5	6	7	8	9
Kiloweights (kN)					किलोव्यूटन (किग्रा)					
510	5 081.6	5 091.6	5 101.6	5 111.5	5 121.5	5 131.5	5 141.4	5 151.4	5 161.4	5 171.3
520	5 181.3	5 191.3	5 201.2	5 211.2	5 221.1	5 231.1	5 241.1	5 251.0	5 261.0	5 271.0
530	5 280.9	5 290.9	5 300.9	5 310.8	5 320.8	5 330.7	5 340.7	5 350.7	5 360.6	5 370.6
540	5 380.6	5 390.5	5 400.5	5 410.5	5 420.4	5 430.4	5 440.4	5 450.3	5 460.3	5 470.2
550	5 480.2	5 490.2	5 500.1	5 510.1	5 520.1	5 530.0	5 540.0	5 550.0	5 559.9	5 569.9
560	5 579.8	5 589.8	5 599.8	5 609.7	5 619.7	5 629.7	5 639.6	5 649.6	5 659.6	5 669.5
570	5 679.5	5 689.5	5 699.4	5 709.4	5 719.3	5 729.3	5 739.3	5 749.2	5 759.2	5 769.2
580	5 779.1	5 789.1	5 799.1	5 809.0	5 819.0	5 828.9	5 838.9	5 848.9	5 858.8	5 868.8
590	5 878.8	5 888.7	5 898.7	5 908.7	5 918.6	5 928.6	5 938.6	5 948.5	5 958.5	5 968.4
600	5 978.4	5 988.4	5 998.3	6 008.3	6 018.3	6 028.2	6 038.2	6 048.2	6 058.1	6 068.1
610	6 078.1	6 088.0	6 098.0	6 107.9	6 117.9	6 127.9	6 137.8	6 147.8	6 157.8	6 167.7
620	6 177.7	6 187.7	6 197.6	6 207.6	6 217.5	6 227.5	6 237.5	6 247.4	6 257.4	6 267.4
630	6 277.3	6 287.3	6 297.3	6 307.2	6 317.2	6 327.2	6 337.1	6 347.1	6 357.0	6 367.0
640	6 377.0	6 386.9	6 396.9	6 406.9	6 416.8	6 426.8	6 436.8	6 446.7	6 456.7	6 466.6
650	6 476.6	6 486.6	6 496.5	6 506.5	6 516.5	6 526.4	6 536.4	6 546.4	6 556.3	6 566.3
660	6 576.3	6 586.2	6 596.2	6 606.1	6 616.1	6 626.1	6 636.0	6 646.0	6 656.0	6 665.9
670	6 675.9	6 685.9	6 695.8	6 705.8	6 715.7	6 725.7	6 735.7	6 745.6	6 755.6	6 765.6
680	6 775.5	6 785.5	6 795.5	6 805.4	6 815.4	6 825.4	6 835.3	6 845.3	6 855.2	6 865.2
690	6 875.2	6 885.1	6 895.1	6 905.1	6 915.0	6 925.0	6 935.0	6 944.9	6 954.9	6 964.8
700	6 974.8	6 984.8	6 994.7	7 004.7	7 014.7	7 024.6	7 034.6	7 044.6	7 054.5	7 064.5
710	7 074.5	7 084.4	7 094.4	7 104.3	7 114.3	7 124.3	7 134.2	7 144.2	7 154.2	7 164.1
720	7 174.1	7 184.1	7 194.0	7 204.0	7 213.9	7 223.9	7 233.9	7 243.8	7 253.8	7 263.8
730	7 273.7	7 283.7	7 293.7	7 303.6	7 313.6	7 323.6	7 333.5	7 343.5	7 353.4	7 363.4
740	7 373.4	7 383.3	7 393.3	7 403.3	7 413.2	7 423.2	7 433.2	7 443.1	7 453.1	7 463.0
750	7 473.0	7 483.0	7 492.9	7 502.9	7 512.9	7 522.8	7 532.8	7 542.8	7 552.7	7 562.7
760	7 572.7	7 582.6	7 592.6	7 602.5	7 612.5	7 622.5	7 632.4	7 642.4	7 652.4	7 662.3
770	7 672.3	7 682.3	7 692.2	7 702.2	7 712.1	7 722.1	7 732.1	7 742.0	7 752.0	7 762.0
780	7 771.9	7 781.9	7 791.9	7 801.8	7 811.8	7 821.8	7 831.7	7 841.7	7 851.6	7 861.6
790	7 871.6	7 881.5	7 891.5	7 901.5	7 911.4	7 921.4	7 931.4	7 941.3	7 951.3	7 961.2
800	7 971.2	7 981.2	7 991.1	8 001.1	8 011.1	8 021.0	8 031.0	8 041.0	8 050.9	8 060.9
810	8 070.9	8 080.8	8 090.8	8 100.7	8 110.7	8 120.7	8 130.6	8 140.6	8 150.6	8 160.5
820	8 170.5	8 180.5	8 190.4	8 200.4	8 210.4	8 220.3	8 230.3	8 240.2	8 250.2	8 260.2
830	8 270.1	8 280.1	8 290.1	8 300.0	8 310.0	8 320.0	8 329.9	8 339.9	8 349.8	8 359.8
840	8 369.8	8 379.7	8 389.7	8 399.7	8 409.6	8 419.6	8 429.6	8 439.5	8 449.5	8 459.5
850	8 469.4	8 479.4	8 489.3	8 499.3	8 509.3	8 519.2	8 529.2	8 539.2	8 549.1	8 559.1
860	8 569.1	8 579.0	8 589.0	8 598.9	8 608.9	8 618.9	8 628.8	8 638.8	8 648.8	8 658.7
870	8 668.7	8 678.7	8 688.6	8 698.6	8 708.6	8 718.5	8 728.5	8 738.4	8 748.4	8 758.4
880	8 768.3	8 778.3	8 788.3	8 798.2	8 808.2	8 818.2	8 828.1	8 838.1	8 848.0	8 858.0
890	8 868.0	8 877.9	8 887.9	8 897.9	8 907.8	8 917.8	8 927.8	8 937.7	8 947.7	8 957.7
900	8 967.6	8 977.6	8 987.5	8 997.5	9 007.5	9 017.4	9 027.4	9 037.4	9 047.3	9 057.3
910	9 067.3	9 077.2	9 087.2	9 097.1	9 107.1	9 117.1	9 127.0	9 137.0	9 147.0	9 156.9
920	9 166.9	9 176.9	9 186.8	9 196.8	9 206.8	9 216.7	9 226.7	9 236.6	9 246.6	9 256.6
930	9 266.5	9 276.5	9 286.5	9 296.4	9 306.4	9 316.4	9 326.3	9 336.3	9 346.2	9 356.2
940	9 366.2	9 376.1	9 386.1	9 396.1	9 406.0	9 416.0	9 426.0	9 435.9	9 445.9	9 455.9
950	9 465.8	9 475.8	9 485.7	9 495.7	9 505.7	9 515.6	9 525.6	9 535.6	9 545.5	9 555.5
960	9 565.5	9 575.4	9 585.4	9 595.3	9 605.3	9 615.3	9 625.2	9 635.2	9 645.2	9 655.1
970	9 665.1	9 675.1	9 685.0	9 695.0	9 705.0	9 714.9	9 724.9	9 734.8	9 744.8	9 754.8
980	9 764.7	9 774.7	9 784.7	9 794.6	9 804.6	9 814.6	9 824.5	9 834.5	9 844.4	9 854.4
990	9 864.4	9 874.3	9 884.3	9 894.3	9 904.2	9 914.2	9 924.2	9 934.1	9 944.1	9 954.1
1 000	9 964.0									

TABLE 157 KILONEWTONS TO TONS-FORCE

सारणी 157 किलोन्यूटन से टन-बल में

Based on { 1 tonf = 2 240 lbf
1 lbf = 0.453 592 4 kgf
1 kgf = 9.806 65 N

माधार { 1 टनब = 2 240 पौब
1 पौब = 0.453 592 4 किलोग्राम
1 किलोग्राम = 9.806 65 न्यू

Kilo- newtons किलोन्यूटन	0	1	2	3	4	5	6	7	8	9
Tons-force (tonf)										
टन-बल (टनब)										
0	0	0.100 361	0.200 722	0.301 053	0.401 445	0.501 81	0.602 17	0.702 53	0.802 89	0.903 25
10	1.003 61	1.103 97	1.204 33	1.304 69	1.405 06	1.505 42	1.605 78	1.706 14	1.806 50	1.906 86
20	2.007 22	2.107 58	2.207 94	2.308 31	2.408 67	2.509 03	2.609 39	2.709 75	2.810 11	2.910 47
30	3.010 83	3.111 19	3.211 56	3.311 92	3.412 28	3.512 64	3.613 00	3.713 36	3.813 72	3.914 08
40	4.014 45	4.114 81	4.215 17	4.315 53	4.415 89	4.516 25	4.616 61	4.716 97	4.817 33	4.917 70
50	5.018 1	5.118 4	5.218 8	5.319 1	5.419 5	5.519 9	5.620 2	5.720 6	5.820 9	5.921 3
60	6.021 7	6.122 0	6.222 4	6.322 8	6.423 1	6.523 5	6.623 8	6.724 2	6.824 6	6.924 9
70	7.025 3	7.125 6	7.226 0	7.326 4	7.426 7	7.527 1	7.627 4	7.727 8	7.828 2	7.928 5
80	8.028 9	8.129 3	8.229 6	8.330 0	8.430 3	8.530 7	8.631 1	8.731 4	8.831 8	8.932 1
90	9.032 5	9.132 9	9.233 2	9.333 6	9.433 9	9.534 3	9.634 7	9.735 0	9.835 4	9.935 8
100	10.036 1	10.136 5	10.236 8	10.337 2	10.437 6	10.537 9	10.638 3	10.738 6	10.839 0	10.939 4
110	11.039 7	11.140 1	11.240 4	11.340 8	11.441 2	11.541 5	11.641 9	11.742 3	11.842 6	11.943 0
120	12.043 3	12.143 7	12.244 1	12.344 4	12.444 8	12.545 1	12.645 5	12.745 9	12.846 2	12.946 6
130	13.046 9	13.147 3	13.247 7	13.348 0	13.448 4	13.548 8	13.649 1	13.749 5	13.849 8	13.950 2
140	14.050 6	14.150 9	14.251 3	14.351 6	14.452 0	14.552 4	14.652 7	14.753 1	14.853 4	14.953 8
150	15.054 2	15.154 5	15.254 9	15.355 3	15.455 6	15.556 0	15.656 3	15.756 7	15.857 1	15.957 4
160	16.057 8	16.158 1	16.258 5	16.358 9	16.459 2	16.559 6	16.659 9	16.760 3	16.860 7	16.961 0
170	17.061 4	17.161 8	17.262 1	17.362 5	17.462 8	17.563 2	17.663 6	17.763 9	17.864 3	17.964 6
180	18.065 0	18.165 4	18.265 7	18.366 1	18.466 4	18.566 8	18.667 2	18.767 5	18.867 9	18.968 3
190	19.068 6	19.169 0	19.269 3	19.369 7	19.470 1	19.570 4	19.670 8	19.771 1	19.871 5	19.971 9
200	20.072 2	20.172 6	20.272 9	20.373 3	20.473 7	20.574 0	20.674 4	20.774 8	20.875 1	20.975 5
210	21.075 8	21.176 2	21.276 6	21.376 9	21.477 3	21.577 6	21.678 0	21.778 4	21.878 7	21.979 1
220	22.079 4	22.179 8	22.280 2	22.380 5	22.480 9	22.581 3	22.681 6	22.782 0	22.882 3	22.982 7
230	23.083 1	23.183 4	23.283 8	23.384 1	23.484 5	23.584 9	23.685 2	23.785 6	23.885 9	23.986 3
240	24.086 7	24.187 0	24.287 4	24.387 8	24.488 1	24.588 5	24.688 8	24.789 2	24.889 6	24.989 9
250	25.090 3	25.190 6	25.291 0	25.391 4	25.491 7	25.592 1	25.692 4	25.792 8	25.893 2	25.993 5
260	26.093 9	26.194 3	26.294 6	26.395 0	26.495 3	26.595 7	26.696 1	26.796 4	26.896 8	26.997 1
270	27.097 5	27.197 9	27.298 2	27.398 6	27.498 9	27.599 3	27.699 7	27.800 0	27.900 4	28.000 8
280	28.101 1	28.201 5	28.301 8	28.402 2	28.502 6	28.602 9	28.703 3	28.803 6	28.904 0	29.004 4
290	29.104 7	29.205 1	29.305 4	29.405 8	29.506 2	29.606 5	29.706 9	29.807 3	29.907 6	30.008 0
300	30.108 3	30.208 7	30.309 1	30.409 4	30.509 8	30.610 1	30.710 5	30.810 9	30.911 2	31.011 6
310	31.111 9	31.212 3	31.312 7	31.413 0	31.513 4	31.613 8	31.714 1	31.814 5	31.914 8	32.015 2
320	32.115 6	32.215 9	32.316 3	32.416 6	32.517 0	32.617 4	32.717 7	32.818 1	32.918 5	33.018 8
330	33.119 2	33.219 5	33.319 9	33.420 3	33.520 6	33.621 0	33.721 3	33.821 7	33.922 1	34.022 4
340	34.122 8	34.223 1	34.323 5	34.423 9	34.524 2	34.624 6	34.725 0	34.825 3	34.925 7	35.026 0
350	35.126 4	35.226 8	35.327 1	35.427 5	35.527 8	35.628 2	35.728 6	35.828 9	35.929 3	36.029 6
360	36.130 0	36.230 4	36.330 7	36.431 1	36.531 5	36.631 8	36.732 2	36.832 5	36.932 9	37.033 3
370	37.133 6	37.234 0	37.334 3	37.434 7	37.535 1	37.635 4	37.735 8	37.836 1	37.936 5	38.036 9
380	38.137 2	38.237 6	38.338 0	38.438 3	38.538 7	38.639 0	38.739 4	38.839 8	38.940 1	39.040 5
390	39.140 8	39.241 2	39.341 6	39.441 9	39.542 3	39.642 6	39.743 0	39.843 4	39.943 7	40.044 1
400	40.144 5	40.244 8	40.345 2	40.445 5	40.545 9	40.646 3	40.746 6	40.847 0	40.947 3	41.047 7
410	41.148 1	41.248 4	41.348 8	41.449 1	41.549 5	41.649 9	41.750 2	41.850 6	41.951 0	42.051 3
420	42.151 7	42.252 0	42.352 4	42.452 8	42.553 1	42.653 5	42.753 8	42.854 2	42.954 6	43.054 9
430	43.155 3	43.255 6	43.356 0	43.456 4	43.556 7	43.657 1	43.757 5	43.857 8	43.958 2	44.058 5
440	44.158 9	44.259 3	44.359 6	44.460 0	44.560 3	44.660 7	44.761 1	44.861 4	44.961 8	45.062 1
450	45.162 5	45.262 9	45.363 2	45.463 6	45.564 0	45.664 3	45.764 7	45.865 0	45.965 4	46.065 8
460	46.166 1	46.266 5	46.366 8	46.467 2	46.567 6	46.667 9	46.768 3	46.868 6	46.969 0	47.069 4
470	47.169 7	47.270 1	47.370 5	47.470 8	47.571 2	47.671 5	47.771 9	47.872 3	47.972 6	48.073 0
480	48.173 3	48.273 7	48.374 1	48.474 4	48.574 8	48.675 1	48.775 5	48.875 9	48.976 2	49.076 6
490	49.177 0	49.277 3	49.377 7	49.478 0	49.578 4	49.678 8	49.779 1	49.879 5	49.979 8	50.080
500	50.181	50.281	50.381	50.482	50.582	50.682	50.783	50.883	50.983	51.084

TABLE 157 KILONEWTONS TO TONS-FORCE — *Contd.*

सारणी 157 किलोन्यूटन से टन-बल में — जारी

Kilonewtons किलोन्यूटन	0	1	2	3	4	5	6	7	8	9
	Tons-force (tonf)					टन-बल (टनब)				
510	51.184	51.285	51.385	51.485	51.586	51.686	51.786	51.887	51.987	52.087
520	52.188	52.288	52.389	52.489	52.589	52.690	52.790	52.890	52.991	53.091
530	53.191	53.292	53.392	53.492	53.593	53.693	53.794	53.894	53.994	54.095
540	54.195	54.295	54.396	54.496	54.596	54.697	54.797	54.898	54.998	55.098
550	55.199	55.299	55.399	55.500	55.600	55.700	55.801	55.901	56.002	56.102
560	56.202	56.303	56.403	56.503	56.604	56.704	56.804	56.905	57.005	57.105
570	57.206	57.306	57.407	57.507	57.607	57.708	57.808	57.908	58.009	58.109
580	58.209	58.310	58.410	58.511	58.611	58.711	58.812	58.912	59.012	59.113
590	59.213	59.313	59.414	59.514	59.615	59.715	59.815	59.916	60.016	60.116
600	60.217	60.317	60.417	60.518	60.618	60.718	60.819	60.919	61.020	61.120
610	61.220	61.321	61.421	61.521	61.622	61.722	61.822	61.923	62.023	62.124
620	62.224	62.324	62.425	62.525	62.625	62.726	62.826	62.926	63.027	63.127
630	63.228	63.328	63.428	63.529	63.629	63.729	63.830	63.930	64.030	64.131
640	64.231	64.331	64.432	64.532	64.633	64.733	64.833	64.934	65.034	65.134
650	65.235	65.335	65.435	65.536	65.636	65.737	65.837	65.937	66.038	66.138
660	66.238	66.339	66.439	66.539	66.640	66.740	66.841	66.941	67.041	67.142
670	67.242	67.342	67.443	67.543	67.643	67.744	67.844	67.944	68.045	68.145
680	68.246	68.346	68.446	68.547	68.647	68.747	68.848	68.948	69.048	69.149
690	69.249	69.350	69.450	69.550	69.651	69.751	69.851	69.952	70.052	70.152
700	70.253	70.353	70.454	70.554	70.654	70.755	70.855	70.955	71.056	71.156
710	71.256	71.357	71.457	71.557	71.658	71.758	71.859	71.959	72.059	72.160
720	72.260	72.360	72.461	72.561	72.661	72.762	72.862	72.963	73.063	73.163
730	73.264	73.364	73.464	73.565	73.665	73.765	73.866	73.966	74.067	74.167
740	74.267	74.368	74.468	74.568	74.669	74.769	74.869	74.970	75.070	75.170
750	75.271	75.371	75.472	75.572	75.672	75.773	75.873	75.973	76.074	76.174
760	76.274	76.375	76.475	76.576	76.676	76.776	76.877	76.977	77.077	77.178
770	77.278	77.378	77.479	77.579	77.680	77.780	77.880	77.981	78.081	78.181
780	78.282	78.382	78.482	78.583	78.683	78.783	78.884	78.984	79.085	79.185
790	79.285	79.386	79.486	79.586	79.687	79.787	79.887	79.988	80.088	80.189
800	80.289	80.389	80.490	80.590	80.690	80.791	80.891	80.991	81.092	81.192
810	81.293	81.393	81.493	81.594	81.694	81.794	81.895	81.995	82.095	82.196
820	82.296	82.396	82.497	82.597	82.698	82.798	82.898	82.999	83.099	83.199
830	83.300	83.400	83.500	83.601	83.701	83.802	83.902	84.002	84.103	84.203
840	84.303	84.404	84.504	84.604	84.705	84.805	84.906	85.006	85.106	85.207
850	85.307	85.407	85.508	85.608	85.708	85.809	85.909	86.009	86.110	86.210
860	86.311	86.411	86.511	86.612	86.712	86.812	86.913	87.013	87.113	87.214
870	87.314	87.415	87.515	87.615	87.716	87.816	87.916	88.017	88.117	88.217
880	88.318	88.418	88.519	88.619	88.719	88.820	88.920	89.020	89.121	89.221
890	89.321	89.422	89.522	89.622	89.723	89.823	89.924	90.024	90.124	90.225
900	90.325	90.425	90.526	90.626	90.726	90.827	90.927	91.028	91.128	91.228
910	91.329	91.429	91.529	91.630	91.730	91.830	91.931	92.031	92.132	92.232
920	92.332	92.433	92.533	92.633	92.734	92.834	92.934	93.035	93.135	93.235
930	93.336	93.436	93.537	93.637	93.737	93.838	93.938	94.038	94.139	94.239
940	94.339	94.440	94.540	94.641	94.741	94.841	94.942	95.042	95.142	95.243
950	95.343	95.443	95.544	95.644	95.745	95.845	95.945	96.046	96.146	96.246
960	96.347	96.447	96.547	96.648	96.748	96.848	96.949	97.049	97.150	97.250
970	97.350	97.451	97.551	97.651	97.752	97.852	97.952	98.053	98.153	98.254
980	98.354	98.454	98.555	98.655	98.755	98.856	98.956	99.056	99.157	99.257
990	99.358	99.458	99.558	99.659	99.759	99.859	99.960	100.060	100.160	100.261
1 000	100.361									

4. STRESS AND PRESSURE

4. प्रतिबल और दाब

TABLE 158 TONS-FORCE PER SQUARE INCH TO
MEGANEWTONS PER SQUARE METREसारणी 158 टन-बल प्रति वर्ग इंच से मेगान्यूटन
प्रति वर्ग मीटर में

Based on

- 1 tonf = 2 240 lbf
- 1 lbf = 0.453 592 4 kgf
- 1 kgf = 9.806 65 N
- 1 in = 0.025 4 m

बाधार

- 1 टनब = 2 240 पाँव
- 1 पाँव = 0.453 592 4 किग्राब
- 1 किग्राब = 9.806 65 न्यू
- 1 इंच = 0.025 4 मी

Tons-force per Square Inch टन-बल प्रति वर्ग इंच	0	1	2	3	4	5	6	7	8	9
	Meganeutons per square metre (MN/m ²)									
	मेगान्यूटन प्रति वर्गमीटर (मैन्यू/मी ²)									
0	0	15.444 3	30.888 5	46.332 8	61.777	77.221	92.666	108.110	123.554	138.998
10	154.443	169.887	185.331	200.775	216.220	231.664	247.108	262.552	277.997	293.441
20	308.885	324.329	339.774	355.218	370.662	386.106	401.551	416.995	432.439	447.883
30	463.328	478.772	494.216	509.66	525.10	540.55	555.99	571.44	586.88	602.33
40	617.77	633.21	648.66	664.10	679.55	694.99	710.44	725.88	741.32	756.77
50	772.21	787.66	803.10	818.55	833.99	849.43	864.88	880.32	895.77	911.21
60	926.66	942.10	957.54	972.99	988.43	1 003.88	1 019.32	1 034.77	1 050.21	1 065.65
70	1 081.10	1 096.54	1 111.99	1 127.43	1 142.88	1 158.32	1 173.76	1 189.21	1 204.65	1 220.10
80	1 235.54	1 250.98	1 266.43	1 281.87	1 297.32	1 312.76	1 328.21	1 343.65	1 359.09	1 374.54
90	1 389.98	1 405.43	1 420.87	1 436.32	1 451.76	1 467.20	1 482.65	1 498.09	1 513.54	1 528.98
100	1 544.43									

TABLE 159 MEGANEWTONS PER SQUARE METRE TO TONS-FORCE PER SQUARE INCH

सारणी 159 मेगान्यूटन प्रति वर्ग मीटर से टन-बल प्रति वर्ग इंच में

Based on $\begin{cases} 1 \text{ tonf} = 2\,240 \text{ lbf} \\ 1 \text{ lbf} = 0.453\,592\,4 \text{ kgf} \\ 1 \text{ kgf} = 9.806\,65 \text{ N} \\ 1 \text{ in} = 0.025\,4 \text{ m} \end{cases}$

आधार $\begin{cases} 1 \text{ टनब} = 2\,240 \text{ पौब} \\ 1 \text{ पौब} = 0.453\,592\,4 \text{ किलोग्राम} \\ 1 \text{ किलोग्राम} = 9.806\,65 \text{ न्यू} \\ 1 \text{ इंच} = 0.025\,4 \text{ मी} \end{cases}$

Mega-newtons per Square Metre मेगान्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Tons-force per square inch (tonf in ²)					टन-बल प्रति वर्ग इंच (टनब/इंच ²)				
0	0	0.064 749	0.129 498	0.194 247	0.258 996	0.323 745	0.388 494	0.453 243	0.517 99	0.582 74
10	0.647 49	0.712 24	0.776 99	0.841 74	0.906 49	0.971 23	1.035 98	1.100 73	1.165 48	1.230 23
20	1.294 98	1.359 73	1.424 48	1.489 23	1.553 98	1.618 72	1.683 47	1.748 22	1.812 97	1.877 72
30	1.942 47	2.007 22	2.071 97	2.136 72	2.201 47	2.266 21	2.330 96	2.395 71	2.460 46	2.525 21
40	2.589 96	2.654 71	2.719 46	2.784 21	2.848 96	2.913 70	2.978 45	3.043 20	3.107 95	3.172 70
50	3.237 45	3.302 20	3.366 95	3.431 70	3.496 45	3.561 19	3.625 94	3.690 69	3.755 44	3.820 19
60	3.884 94	3.949 69	4.014 44	4.079 19	4.143 94	4.208 68	4.273 43	4.338 18	4.402 93	4.467 68
70	4.532 43	4.597 18	4.661 93	4.726 68	4.791 42	4.856 17	4.920 92	4.985 67	5.050 42	5.115 17
80	5.179 9	5.244 7	5.309 4	5.374 2	5.438 9	5.503 7	5.568 4	5.633 2	5.697 9	5.762 7
90	5.827 4	5.892 2	5.956 9	6.021 7	6.086 4	6.151 2	6.215 9	6.280 7	6.345 4	6.410 2
100	6.474 9	6.539 6	6.604 4	6.669 1	6.733 9	6.798 6	6.863 4	6.928 1	6.992 9	7.057 6
110	7.122 4	7.187 1	7.251 9	7.316 6	7.381 4	7.446 1	7.510 9	7.575 6	7.640 4	7.705 1
120	7.769 9	7.834 6	7.899 4	7.964 1	8.028 9	8.093 6	8.158 4	8.223 1	8.287 9	8.352 6
130	8.417 4	8.482 1	8.546 9	8.611 6	8.676 4	8.741 1	8.805 9	8.870 6	8.935 4	9.000 1
140	9.064 9	9.129 6	9.194 4	9.259 1	9.323 9	9.388 6	9.453 4	9.518 1	9.582 8	9.647 6
150	9.712 3	9.777 1	9.841 8	9.906 6	9.971 3	10.036 1	10.100 8	10.165 6	10.230 3	10.295 1
160	10.359 8	10.424 6	10.489 3	10.554 1	10.618 8	10.683 6	10.748 3	10.813 1	10.877 8	10.942 6
170	11.007 3	11.072 1	11.136 8	11.201 6	11.266 3	11.331 1	11.395 8	11.460 6	11.525 3	11.590 1
180	11.654 8	11.719 6	11.784 3	11.849 1	11.913 8	11.978 6	12.043 3	12.108 1	12.172 8	12.237 6
190	12.302 3	12.367 1	12.431 8	12.496 6	12.561 3	12.626 1	12.690 8	12.755 6	12.820 3	12.885 0
200	12.949 8	13.014 5	13.079 3	13.144 0	13.208 8	13.273 5	13.338 3	13.403 0	13.467 8	13.532 5
210	13.597 3	13.662 0	13.726 8	13.791 5	13.856 3	13.921 0	13.985 8	14.050 5	14.115 3	14.180 0
220	14.244 8	14.309 5	14.374 3	14.439 0	14.503 8	14.568 5	14.633 3	14.698 0	14.762 8	14.827 5
230	14.892 3	14.957 0	15.021 8	15.086 5	15.151 3	15.216 0	15.280 8	15.345 5	15.410 3	15.475 0
240	15.539 8	15.604 5	15.669 3	15.734 0	15.798 8	15.863 5	15.928 3	15.993 0	16.057 7	16.122 5
250	16.187 2	16.252 0	16.316 7	16.381 5	16.446 2	16.511 0	16.575 7	16.640 5	16.705 2	16.770 0
260	16.834 7	16.899 5	16.964 2	17.029 0	17.093 7	17.158 5	17.223 2	17.288 0	17.352 7	17.417 5
270	17.482 2	17.547 0	17.611 7	17.676 5	17.741 2	17.806 0	17.870 7	17.935 5	18.000 2	18.065 0
280	18.129 7	18.194 5	18.259 2	18.324 0	18.388 7	18.453 5	18.518 2	18.583 0	18.647 7	18.712 5
290	18.777 2	18.842 0	18.906 7	18.971 5	19.036 2	19.101 0	19.165 7	19.230 4	19.295 2	19.359 9
300	19.424 7	19.489 4	19.554 2	19.618 9	19.683 7	19.748 4	19.813 2	19.877 9	19.942 7	20.007 4
310	20.072 2	20.136 9	20.201 7	20.266 4	20.331 2	20.395 9	20.460 7	20.525 4	20.590 2	20.654 9
320	20.719 7	20.784 4	20.849 2	20.913 9	20.978 7	21.043 4	21.108 2	21.172 9	21.237 7	21.302 4
330	21.367 2	21.431 9	21.496 7	21.561 4	21.626 2	21.690 9	21.755 7	21.820 4	21.885 2	21.949 9
340	22.014 7	22.079 4	22.144 2	22.208 9	22.273 7	22.338 4	22.403 1	22.467 9	22.532 6	22.597 4
350	22.662 1	22.726 9	22.791 6	22.856 4	22.921 1	22.985 9	23.050 6	23.115 4	23.180 1	23.244 9
360	23.309 6	23.374 4	23.439 1	23.503 9	23.568 6	23.633 4	23.698 1	23.762 9	23.827 6	23.892 4
370	23.957 1	24.021 9	24.086 6	24.151 4	24.216 1	24.280 9	24.345 6	24.410 4	24.475 1	24.539 9
380	24.604 6	24.669 4	24.734 1	24.798 9	24.863 6	24.928 4	24.993 1	25.057 9	25.122 6	25.187 4
390	25.252 1	25.316 9	25.381 6	25.446 4	25.511 1	25.575 8	25.640 6	25.705 3	25.770 1	25.834 8
400	25.899 6	25.964 3	26.029 1	26.093 8	26.158 6	26.223 3	26.288 1	26.352 8	26.417 6	26.482 3
410	26.547 1	26.611 8	26.676 6	26.741 3	26.806 1	26.870 8	26.935 6	27.000 3	27.065 1	27.129 8
420	27.194 6	27.259 3	27.324 1	27.388 8	27.453 6	27.518 3	27.583 1	27.647 8	27.712 6	27.777 3
430	27.842 1	27.906 8	27.971 6	28.036 3	28.101 1	28.165 8	28.230 6	28.295 3	28.360 1	28.424 8
440	28.489 6	28.554 3	28.619 1	28.683 8	28.748 5	28.813 3	28.878 0	28.942 8	29.007 5	29.072 3
450	29.137 0	29.201 8	29.266 5	29.331 3	29.396 0	29.460 8	29.525 5	29.590 3	29.655 0	29.719 8
460	29.784 5	29.849 3	29.914 0	29.978 8	30.043 5	30.108 3	30.173 0	30.237 8	30.302 5	30.367 3
470	30.432 0	30.496 8	30.561 5	30.626 3	30.691 0	30.755 8	30.820 5	30.885 3	30.950 0	31.014 8
480	31.079 5	31.144 3	31.209 0	31.273 8	31.338 5	31.403 3	31.468 0	31.532 8	31.597 5	31.662 3
490	31.727 0	31.791 8	31.856 5	31.921 2	31.986 0	32.050 7	32.115 5	32.180 2	32.245 0	32.309 7
500	32.374 5	32.439 2	32.504 0	32.568 7	32.633 5	32.698 2	32.763 0	32.827 7	32.892 5	32.957 2

(Continued)

TABLE 159 MEGANEWTONS PER SQUARE METRE TO
TONS-FORCE PER SQUARE INCH — Contdसारणी 159 मेगान्यूटन प्रति वर्ग मीटर से टन-बल प्रति
वर्ग इंच में — जारी

Mega- newtons per Square Metre मेगान्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9										
	Tons-force per square inch (tonf/in ²)										टन-बल प्रति वर्ग इंच (टनब/इंच ²)									
510	33.022 0	33.086 7	33.151 5	33.216 2	33.281 0	33.345 7	33.410 5	33.475 2	33.540 0	33.604 7										
520	33.669 5	33.734 2	33.799 0	33.863 7	33.928 5	33.993 2	34.058 0	34.122 7	34.187 5	34.252 2										
530	34.317 0	34.381 7	34.446 5	34.511 2	34.576 0	34.640 7	34.705 5	34.770 2	34.835 0	34.899 7										
540	34.964 5	35.029 2	35.094 0	35.158 7	35.223 4	35.288 2	35.352 9	35.417 7	35.482 4	35.547 2										
550	35.611 9	35.676 7	35.741 4	35.806 2	35.870 9	35.935 7	36.000 4	36.065 2	36.129 9	36.194 7										
560	36.259 4	36.324 2	36.388 9	36.453 7	36.518 4	36.583 2	36.647 9	36.712 7	36.777 4	36.842 2										
570	36.906 9	36.971 7	37.036 4	37.101 2	37.165 9	37.230 7	37.295 4	37.360 2	37.424 9	37.489 7										
580	37.554 4	37.619 2	37.683 9	37.748 7	37.813 4	37.878 2	37.942 9	38.007 7	38.072 4	38.137 2										
590	38.201 9	38.266 7	38.331 4	38.396 1	38.460 9	38.525 6	38.590 4	38.655 1	38.719 9	38.784 6										
600	38.849 4	38.914 1	38.978 9	39.043 6	39.108 4	39.173 1	39.237 9	39.302 6	39.367 4	39.432 1										
610	39.496 9	39.561 6	39.626 4	39.691 1	39.755 9	39.820 6	39.885 4	39.950 1	40.014 9	40.079 6										
620	40.144 4	40.209 1	40.273 9	40.338 6	40.403 4	40.468 1	40.532 9	40.597 6	40.662 4	40.727 1										
630	40.791 9	40.856 6	40.921 4	40.986 1	41.050 9	41.115 6	41.180 4	41.245 1	41.309 9	41.374 6										
640	41.439 4	41.504 1	41.568 8	41.633 6	41.698 3	41.763 1	41.827 8	41.892 6	41.957 3	42.022 1										
650	42.086 8	42.151 6	42.216 3	42.281 1	42.345 8	42.410 6	42.475 3	42.540 1	42.604 8	42.669 6										
660	42.734 3	42.799 1	42.863 8	42.928 6	42.993 3	43.058 1	43.122 8	43.187 6	43.252 3	43.317 1										
670	43.381 8	43.446 6	43.511 3	43.576 1	43.640 8	43.705 6	43.770 3	43.835 1	43.899 8	43.964 6										
680	44.029 3	44.094 1	44.158 8	44.223 6	44.288 3	44.353 1	44.417 8	44.482 6	44.547 3	44.612 1										
690	44.676 8	44.741 5	44.806 3	44.871 0	44.935 8	45.000 5	45.065 3	45.130 0	45.194 8	45.259 5										
700	45.324 3	45.389 0	45.453 8	45.518 5	45.583 3	45.648 0	45.712 8	45.777 5	45.842 3	45.907 0										
710	45.971 8	46.036 5	46.101 3	46.166 0	46.230 8	46.295 5	46.360 3	46.425 0	46.489 8	46.554 5										
720	46.619 3	46.684 0	46.748 8	46.813 5	46.878 3	46.943 0	47.007 8	47.072 5	47.137 3	47.202 0										
730	47.266 8	47.331 5	47.396 3	47.461 0	47.525 8	47.590 5	47.655 3	47.720 0	47.784 8	47.849 5										
740	47.914 2	47.979 0	48.043 7	48.108 5	48.173 2	48.238 0	48.302 7	48.367 5	48.432 2	48.497 0										
750	48.561 7	48.626 5	48.691 2	48.756 0	48.820 7	48.885 5	48.950 2	49.015 0	49.079 7	49.144 5										
760	49.209 2	49.274 0	49.338 7	49.403 5	49.468 3	49.533 0	49.597 7	49.662 5	49.727 2	49.792 0										
770	49.856 7	49.921 5	49.986 2	50.051	50.116	50.180	50.245	50.310	50.375	50.439										
780	50.504	50.569	50.634	50.698	50.763	50.828	50.893	50.957	51.022	51.087										
790	51.152	51.216	51.281	51.346	51.411	51.475	51.540	51.605	51.670	51.734										
800	51.799	51.864	51.929	51.993	52.058	52.123	52.188	52.252	52.317	52.382										
810	52.447	52.511	52.576	52.641	52.706	52.770	52.835	52.900	52.965	53.029										
820	53.094	53.159	53.224	53.288	53.353	53.418	53.483	53.547	53.612	53.677										
830	53.742	53.806	53.871	53.936	54.001	54.065	54.130	54.195	54.260	54.324										
840	54.389	54.454	54.519	54.583	54.648	54.713	54.778	54.842	54.907	54.972										
850	55.037	55.101	55.166	55.231	55.296	55.360	55.425	55.490	55.555	55.619										
860	55.684	55.749	55.814	55.878	55.943	56.008	56.073	56.137	56.202	56.267										
870	56.332	56.396	56.461	56.526	56.591	56.655	56.720	56.785	56.850	56.914										
880	56.979	57.044	57.109	57.173	57.238	57.303	57.368	57.432	57.497	57.562										
890	57.627	57.691	57.756	57.821	57.886	57.950	58.015	58.080	58.145	58.209										
900	58.274	58.339	58.404	58.468	58.533	58.598	58.663	58.727	58.792	58.857										
910	58.922	58.986	59.051	59.116	59.181	59.245	59.310	59.375	59.440	59.504										
920	59.569	59.634	59.699	59.763	59.828	59.893	59.958	60.022	60.087	60.152										
930	60.217	60.281	60.346	60.411	60.476	60.540	60.605	60.670	60.735	60.799										
940	60.864	60.929	60.994	61.058	61.123	61.188	61.253	61.317	61.382	61.447										
950	61.512	61.576	61.641	61.706	61.771	61.835	61.900	61.965	62.030	62.094										
960	62.159	62.224	62.289	62.353	62.418	62.483	62.548	62.612	62.677	62.742										
970	62.807	62.871	62.936	63.001	63.066	63.130	63.195	63.260	63.325	63.389										
980	63.454	63.519	63.584	63.648	63.713	63.778	63.842	63.907	63.972	64.037										
990	64.101	64.166	64.231	64.296	64.360	64.425	64.490	64.555	64.619	64.684										
1 000	64.749																			

TABLE 160 POUNDS-FORCE PER SQUARE INCH
TO KILONEWTONS PER SQUARE
METRE

सारणी 160 पौंड-बल प्रति वर्ग इंच से किलोन्यूटन प्रति वर्ग मीटर

Based on { 1 lbf = 0.453 592 4 kgf
1 kgf = 9.806 65 N
1 in = 0.025 4 m{ 1 पौंड = 0.453 592 4 किग्रा
1 किग्रा = 9.806 65 न्यू
1 इंच = 0.025 4 मी

Pounds- Force per Square Inch पौंड-बल प्रति वर्ग इंच	0	1	2	3	4	5	6	7	8	9
	Kilonewtons per square metre (kN/m ²)									
	किलोन्यूटन प्रति वर्ग मीटर (किन्/मी ²)									
0	0	6.894 8	13.789 5	20.684 3	27.579 0	34.473 8	41.368 5	48.263 3	55.158	62.053
10	68.948	75.842	82.737	89.632	96.527	103.421	110.316	117.211	124.106	131.000
20	137.895	144.790	151.685	158.579	165.474	172.369	179.264	186.158	193.053	199.948
30	206.843	213.737	220.632	227.527	234.422	241.317	248.211	255.106	262.001	268.896
40	275.790	282.685	289.580	296.475	303.369	310.264	317.159	324.054	330.948	337.843
50	344.738	351.633	358.527	365.422	372.317	379.212	386.106	393.001	399.896	406.791
60	413.685	420.580	427.475	434.370	441.264	448.159	455.054	461.949	468.844	475.738
70	482.633	489.528	496.423	503.32	510.21	517.11	524.00	530.90	537.79	544.69
80	551.58	558.48	565.37	572.26	579.16	586.05	592.95	599.84	606.74	613.63
90	620.53	627.42	634.32	641.21	648.11	655.00	661.90	668.79	675.69	682.58
100	689.48	696.37	703.27	710.16	717.05	723.95	730.84	737.74	744.63	751.53
110	758.42	765.32	772.21	779.11	786.00	792.90	799.79	806.69	813.58	820.48
120	827.37	834.27	841.16	848.06	854.95	861.84	868.74	875.63	882.53	889.42
130	896.32	903.21	910.11	917.00	923.90	930.79	937.69	944.58	951.48	958.37
140	965.27	972.16	979.06	985.95	992.85	999.74	1006.63	1013.53	1020.42	1027.32
150	1034.21	1041.11	1048.00	1054.90	1061.79	1068.69	1075.58	1082.48	1089.37	1096.27
160	1103.16	1110.06	1116.95	1123.85	1130.74	1137.64	1144.53	1151.42	1158.32	1165.21
170	1172.11	1179.00	1185.90	1192.79	1199.69	1206.58	1213.48	1220.37	1227.27	1234.16
180	1241.06	1247.95	1254.85	1261.74	1268.64	1275.53	1282.42	1289.32	1296.21	1303.11
190	1310.00	1316.90	1323.79	1330.69	1337.58	1344.48	1351.37	1358.27	1365.16	1372.06
200	1378.95	1385.85	1392.74	1399.64	1406.53	1413.43	1420.32	1427.21	1434.11	1441.00
210	1447.90	1454.79	1461.69	1468.58	1475.48	1482.37	1489.27	1496.16	1503.06	1509.95
220	1516.8	1523.74	1530.64	1537.53	1544.43	1551.32	1558.22	1565.11	1572.00	1578.90
230	1585.79	1592.69	1599.58	1606.48	1613.37	1620.27	1627.16	1634.06	1640.95	1647.85
240	1654.7	1661.64	1668.53	1675.43	1682.32	1689.22	1696.11	1703.01	1709.90	1716.79
250	1723.69	1730.58	1737.48	1744.37	1751.27	1758.16	1765.06	1771.95	1778.85	1785.74
260	1792.64	1799.53	1806.43	1813.32	1820.22	1827.11	1834.01	1840.90	1847.80	1854.69
270	1861.58	1868.48	1875.37	1882.27	1889.16	1896.06	1902.95	1909.85	1916.74	1923.64
280	1930.53	1937.43	1944.32	1951.22	1958.11	1965.01	1971.90	1978.80	1985.69	1992.58
290	1999.48	2006.37	2013.27	2020.16	2027.06	2033.95	2040.85	2047.74	2054.64	2061.53
300	2068.43	2075.32	2082.22	2089.11	2096.01	2102.90	2109.80	2116.69	2123.59	2130.48
310	2137.37	2144.27	2151.16	2158.06	2164.95	2171.85	2178.74	2185.64	2192.53	2199.43
320	2206.32	2213.22	2220.11	2227.01	2233.90	2240.80	2247.69	2254.59	2261.48	2268.38
330	2275.27	2282.16	2289.06	2295.95	2302.85	2309.74	2316.64	2323.53	2330.43	2337.32
340	2344.22	2351.11	2358.01	2364.90	2371.80	2378.69	2385.59	2392.48	2399.38	2406.27
350	2413.17	2420.06	2426.95	2433.85	2440.74	2447.64	2454.53	2461.43	2468.32	2475.22
360	2482.11	2489.01	2495.90	2502.80	2509.69	2516.59	2523.48	2530.38	2537.27	2544.17
370	2551.06	2557.96	2564.85	2571.74	2578.64	2585.53	2592.43	2599.32	2606.22	2613.11
380	2620.01	2626.90	2633.80	2640.69	2647.59	2654.48	2661.38	2668.27	2675.17	2682.06
390	2688.96	2695.85	2702.75	2709.64	2716.53	2723.43	2730.32	2737.22	2744.11	2751.01
400	2757.90	2764.80	2771.69	2778.59	2785.48	2792.38	2799.27	2806.17	2813.06	2819.96
410	2826.85	2833.75	2840.64	2847.53	2854.43	2861.32	2868.22	2875.11	2882.01	2888.90
420	2895.80	2902.69	2909.59	2916.48	2923.38	2930.27	2937.17	2944.06	2950.96	2957.85
430	2964.75	2971.64	2978.54	2985.43	2992.32	2999.22	3006.11	3013.01	3019.90	3026.80
440	3033.69	3040.59	3047.48	3054.38	3061.27	3068.17	3075.06	3081.96	3088.85	3095.75
450	3102.64	3109.54	3116.43	3123.33	3130.22	3137.11	3144.01	3150.90	3157.80	3164.69
460	3171.59	3178.48	3185.38	3192.27	3199.17	3206.06	3212.96	3219.85	3226.75	3233.64
470	3240.54	3247.43	3254.33	3261.22	3268.12	3275.01	3281.90	3288.80	3295.69	3302.59
480	3309.48	3316.38	3323.27	3330.17	3337.06	3343.96	3350.85	3357.75	3364.64	3371.54
490	3378.43	3385.33	3392.22	3399.12	3406.01	3412.91	3419.80	3426.69	3433.59	3440.48
500	3447.38	3454.27	3461.17	3468.06	3474.96	3481.85	3488.75	3495.64	3502.54	3509.43

(Continued)

TABLE 160 POUNDS-FORCE PER SQUARE INCH
TO KILONETONS PER SQUARE
METRE — Contdसारिणी 160 पौंड-बल प्रति वर्ग इंच से किलोन्यूटन प्रति वर्ग मीटर
में — जारी

Pounds- Force per Square Inch पौंड-बल प्रति वर्ग इंच	0	1	2	3	4	5	6	7	8	9
	Kilonewtons per square metre (kN/m ²)					किलोन्यूटन प्रति वर्ग मीटर (किन्यू/मी ²)				
510	3 516.33	3 523.22	3 530.12	3 537.01	3 543.91	3 550.80	3 557.69	3 564.59	3 571.48	3 578.38
520	3 585.27	3 592.17	3 599.06	3 605.96	3 612.85	3 619.75	3 626.64	3 633.54	3 640.43	3 647.33
530	3 654.22	3 661.12	3 668.01	3 674.91	3 681.80	3 688.70	3 695.59	3 702.48	3 709.38	3 716.27
540	3 723.17	3 730.06	3 736.96	3 743.85	3 750.75	3 757.64	3 764.54	3 771.43	3 778.33	3 785.22
550	3 792.12	3 799.01	3 805.91	3 812.80	3 819.70	3 826.59	3 833.49	3 840.38	3 847.27	3 854.17
560	3 861.06	3 867.96	3 874.85	3 881.75	3 888.64	3 895.54	3 902.43	3 909.33	3 916.22	3 923.12
570	3 930.01	3 936.91	3 943.80	3 950.70	3 957.59	3 964.49	3 971.38	3 978.28	3 985.17	3 992.06
580	3 998.96	4 005.85	4 012.75	4 019.64	4 026.54	4 033.43	4 040.33	4 047.22	4 054.12	4 061.01
590	4 067.91	4 074.80	4 081.70	4 088.59	4 095.49	4 102.38	4 109.28	4 116.17	4 123.07	4 129.96
600	4 136.85	4 143.75	4 150.64	4 157.54	4 164.43	4 171.33	4 178.22	4 185.12	4 192.01	4 198.91
610	4 205.80	4 212.70	4 219.59	4 226.49	4 233.38	4 240.28	4 247.17	4 254.07	4 260.96	4 267.86
620	4 274.75	4 281.64	4 288.54	4 295.43	4 302.33	4 309.22	4 316.12	4 323.01	4 329.91	4 336.80
630	4 343.70	4 350.59	4 357.49	4 364.38	4 371.28	4 378.17	4 385.07	4 391.96	4 398.86	4 405.75
640	4 412.64	4 419.54	4 426.43	4 433.33	4 440.22	4 447.12	4 454.01	4 460.91	4 467.80	4 474.70
650	4 481.59	4 488.49	4 495.38	4 502.28	4 509.17	4 516.07	4 522.96	4 529.86	4 536.75	4 543.65
660	4 550.54	4 557.43	4 564.33	4 571.22	4 578.12	4 585.01	4 591.91	4 598.80	4 605.70	4 612.59
670	4 619.49	4 626.38	4 633.28	4 640.17	4 647.07	4 653.96	4 660.86	4 667.75	4 674.65	4 681.54
680	4 688.44	4 695.33	4 702.22	4 709.12	4 716.01	4 722.91	4 729.80	4 736.70	4 743.59	4 750.49
690	4 757.38	4 764.28	4 771.17	4 778.07	4 784.96	4 791.86	4 798.75	4 805.65	4 812.54	4 819.44
700	4 826.33	4 833.23	4 840.12	4 847.01	4 853.91	4 860.80	4 867.70	4 874.59	4 881.49	4 888.38
710	4 895.28	4 902.17	4 909.07	4 915.96	4 922.86	4 929.75	4 936.65	4 943.54	4 950.44	4 957.33
720	4 964.23	4 971.12	4 978.02	4 984.91	4 991.80	4 998.70	5 005.6	5 012.5	5 019.4	5 026.3
730	5 033.2	5 040.1	5 047.0	5 053.9	5 060.8	5 067.6	5 074.5	5 081.4	5 088.3	5 095.2
740	5 102.1	5 109.0	5 115.9	5 122.8	5 129.7	5 136.6	5 143.5	5 150.4	5 157.3	5 164.2
750	5 171.1	5 178.0	5 184.9	5 191.8	5 198.6	5 205.5	5 212.4	5 219.3	5 226.2	5 233.1
760	5 240.0	5 246.9	5 253.8	5 260.7	5 267.6	5 274.5	5 281.4	5 288.3	5 295.2	5 302.1
770	5 309.0	5 315.9	5 322.8	5 329.6	5 336.5	5 343.4	5 350.3	5 357.2	5 364.1	5 371.0
780	5 377.9	5 384.8	5 391.7	5 398.6	5 405.5	5 412.4	5 419.3	5 426.2	5 433.1	5 440.0
790	5 446.9	5 453.8	5 460.6	5 467.5	5 474.4	5 481.3	5 488.2	5 495.1	5 502.0	5 508.9
800	5 515.8	5 522.7	5 529.6	5 536.5	5 543.4	5 550.3	5 557.2	5 564.1	5 571.0	5 577.9
810	5 584.8	5 591.6	5 598.5	5 605.4	5 612.3	5 619.2	5 626.1	5 633.0	5 639.9	5 646.8
820	5 653.7	5 660.6	5 667.5	5 674.4	5 681.3	5 688.2	5 695.1	5 702.0	5 708.9	5 715.8
830	5 722.6	5 729.5	5 736.4	5 743.3	5 750.2	5 757.1	5 764.0	5 770.9	5 777.8	5 784.7
840	5 791.6	5 798.5	5 805.4	5 812.3	5 819.2	5 826.1	5 833.0	5 839.9	5 846.8	5 853.6
850	5 860.5	5 867.4	5 874.3	5 881.2	5 888.1	5 895.0	5 901.9	5 908.8	5 915.7	5 922.6
860	5 929.5	5 936.4	5 943.3	5 950.2	5 957.1	5 964.0	5 970.9	5 977.8	5 984.6	5 991.5
870	5 998.4	6 005.3	6 012.2	6 019.1	6 026.0	6 032.9	6 039.8	6 046.7	6 053.6	6 060.5
880	6 067.4	6 074.3	6 081.2	6 088.1	6 095.0	6 101.9	6 108.8	6 115.7	6 122.5	6 129.4
890	6 136.3	6 143.2	6 150.1	6 157.0	6 163.9	6 170.8	6 177.7	6 184.6	6 191.5	6 198.4
900	6 205.3	6 212.2	6 219.1	6 226.0	6 232.9	6 239.8	6 246.7	6 253.5	6 260.4	6 267.3
910	6 274.2	6 281.1	6 288.0	6 294.9	6 301.8	6 308.7	6 315.6	6 322.5	6 329.4	6 336.3
920	6 343.2	6 350.1	6 357.0	6 363.9	6 370.8	6 377.7	6 384.5	6 391.4	6 398.3	6 405.2
930	6 412.1	6 419.0	6 425.9	6 432.8	6 439.7	6 446.6	6 453.5	6 460.4	6 467.3	6 474.2
940	6 481.1	6 488.0	6 494.9	6 501.8	6 508.7	6 515.5	6 522.4	6 529.3	6 536.2	6 543.1
950	6 550.0	6 556.9	6 563.8	6 570.7	6 577.6	6 584.5	6 591.4	6 598.3	6 605.2	6 612.1
960	6 619.0	6 625.9	6 632.8	6 639.7	6 646.5	6 653.4	6 660.3	6 667.2	6 674.1	6 681.0
970	6 687.9	6 694.8	6 701.7	6 708.6	6 715.5	6 722.4	6 729.3	6 736.2	6 743.1	6 750.0
980	6 756.9	6 763.8	6 770.7	6 777.5	6 784.4	6 791.3	6 798.2	6 805.1	6 812.0	6 818.9
990	6 825.8	6 832.7	6 839.6	6 846.5	6 853.4	6 860.3	6 867.2	6 874.1	6 881.0	6 887.9
1 000	6 894.8									

NOTE 1 — For converting kilograms-force per square centimetre to kilonewtons per square metre, see the directions given in Note 1 under Table 152.

नोट 1 — किलोग्राम-बल प्रति वर्ग सेंटीमीटर से किलोन्यूटन प्रति वर्ग मीटर में परिवर्तन के लिए सारिणी 152 के नोट 1 में दिए निर्देश देखिए।

NOTE 2 — For converting kilograms-force per square millimetre to meganewtons per square metre, see the directions given in Note 2 under Table 152.

नोट 2 — किलोग्राम-बल प्रति वर्ग मिलीमीटर से मेगान्यूटन प्रति वर्ग मीटर में परिवर्तन के लिए सारिणी 152 के नोट 2 में दिए निर्देश देखिए।

TABLE 161 KILONEWTONS PER SQUARE METRE
TO POUNDS-FORCE PER SQUARE
INCH

सारणी 161 किलोन्यूटन प्रति वर्ग मीटर से पौंड-बल प्रति वर्ग इंच में

Based on $\left\{ \begin{array}{l} 1 \text{ lbf} = 0.453\,592\,4 \text{ kgf} \\ 1 \text{ kgf} = 9.806\,65 \text{ N} \\ 1 \text{ in} = 0.025\,4 \text{ m} \end{array} \right.$

$\left\{ \begin{array}{l} 1 \text{ पौंड} = 0.453\,592\,4 \text{ किलोग्राम} \\ 1 \text{ किलोग्राम} = 9.806\,65 \text{ न्यूटन} \\ 1 \text{ इंच} = 0.025\,4 \text{ मीटर} \end{array} \right.$

Kilonewtons per Square Metre किलोन्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Pounds-force per square inch (lbf/in ²)									
	पौंड-बल प्रति वर्ग इंच (पौंड/इंच ²)									
0	0	0.145 038	0.290 075	0.435 113	0.580 15	0.725 19	0.870 23	1.015 26	1.160 30	1.305 34
10	1.450 38	1.595 42	1.740 45	1.885 49	2.030 53	2.175 57	2.320 60	2.465 64	2.610 68	2.755 72
20	2.900 75	3.045 79	3.190 83	3.335 87	3.480 91	3.625 94	3.770 98	3.916 02	4.061 06	4.206 09
30	4.351 13	4.496 17	4.641 21	4.786 25	4.931 28	5.076 3	5.221 4	5.366 4	5.511 4	5.656 5
40	5.801 5	5.946 5	6.091 6	6.236 6	6.381 7	6.526 7	6.671 7	6.816 8	6.961 8	7.106 8
50	7.251 9	7.396 9	7.542 0	7.687 0	7.832 0	7.977 1	8.122 1	8.267 2	8.412 2	8.557 2
60	8.702 3	8.847 3	8.992 3	9.137 4	9.282 4	9.427 5	9.572 5	9.717 5	9.862 6	10.007 6
70	10.152 6	10.297 7	10.442 7	10.587 8	10.732 8	10.877 8	11.022 9	11.167 9	11.312 9	11.458 0
80	11.603 0	11.748 1	11.893 1	12.038 1	12.183 2	12.328 2	12.473 2	12.618 3	12.763 3	12.908 4
90	13.053 4	13.198 4	13.343 5	13.488 5	13.633 5	13.778 6	13.923 6	14.068 7	14.213 7	14.358 7
100	14.503 8	14.648 8	14.793 8	14.938 9	15.083 9	15.229 0	15.374 0	15.519 0	15.664 1	15.809 1
110	15.954 2	16.099 2	16.244 2	16.389 3	16.534 3	16.679 3	16.824 4	16.969 4	17.114 5	17.259 5
120	17.404 5	17.549 6	17.694 6	17.839 6	17.984 7	18.129 7	18.274 8	18.419 8	18.564 8	18.709 9
130	18.854 9	18.999 9	19.145 0	19.290 0	19.435 1	19.580 1	19.725 1	19.870 2	20.015 2	20.160 2
140	20.305 3	20.450 3	20.595 4	20.740 4	20.885 4	21.030 5	21.175 5	21.320 5	21.465 6	21.610 6
150	21.755 7	21.900 7	22.045 7	22.190 8	22.335 8	22.480 8	22.625 9	22.770 9	22.916 0	23.061 0
160	23.206 0	23.351 1	23.496 1	23.641 1	23.786 2	23.931 2	24.076 3	24.221 3	24.366 3	24.511 4
170	24.656 4	24.801 5	24.946 5	25.091 5	25.236 6	25.381 6	25.526 6	25.671 7	25.816 7	25.961 8
180	26.106 8	26.251 8	26.396 9	26.541 9	26.686 9	26.832 0	26.977 0	27.122 1	27.267 1	27.412 3
190	27.557 2	27.702 2	27.847 2	27.992 3	28.137 3	28.282 4	28.427 4	28.572 4	28.717 5	28.862 5
200	29.007 5	29.152 6	29.297 6	29.442 7	29.587 7	29.732 7	29.877 8	30.022 8	30.167 8	30.312 9
210	30.457 9	30.603 0	30.748 0	30.893 0	31.038 1	31.183 1	31.328 1	31.473 2	31.618 2	31.763 3
220	31.908 3	32.053 3	32.198 4	32.343 4	32.488 5	32.633 5	32.778 5	32.923 6	33.068 6	33.213 6
230	33.358 7	33.503 7	33.648 8	33.793 8	33.938 8	34.083 9	34.228 9	34.373 9	34.519 0	34.664 0
240	34.809 1	34.954 1	35.099 1	35.244 2	35.389 2	35.534 2	35.679 3	35.824 3	35.969 4	36.114 4
250	36.259 4	36.404 5	36.549 5	36.694 5	36.839 6	36.984 6	37.129 7	37.274 7	37.419 7	37.564 8
260	37.709 8	37.854 8	37.999 9	38.144 9	38.290 0	38.435 0	38.580 0	38.725 1	38.870 1	39.015 1
270	39.160 2	39.305 2	39.450 3	39.595 3	39.740 3	39.885 4	40.030 4	40.175 5	40.320 5	40.465 5
280	40.610 6	40.755 6	40.900 6	41.045 7	41.190 7	41.335 8	41.480 8	41.625 8	41.770 9	41.915 9
290	42.060 9	42.206 0	42.351 0	42.496 1	42.641 1	42.786 1	42.931 2	43.076 2	43.221 2	43.366 1
300	43.511 3	43.656 4	43.801 4	43.946 4	44.091 5	44.236 5	44.381 5	44.526 6	44.671 6	44.816 7
310	44.961 7	45.106 7	45.251 8	45.396 8	45.541 8	45.686 9	45.831 9	45.977 0	46.122 0	46.267 0
320	46.412 1	46.557 1	46.702 1	46.847 2	46.992 2	47.137 3	47.282 3	47.427 3	47.572 4	47.717 4
330	47.862 5	48.007 5	48.152 5	48.297 6	48.442 6	48.587 6	48.732 7	48.877 7	49.022 8	49.167 8
340	49.312 8	49.457 9	49.602 9	49.747 9	49.893 0	50.038	50.183	50.328	50.473	50.618
350	50.763	50.908	51.053	51.198	51.343	51.488	51.633	51.778	51.924	52.069
360	52.214	52.359	52.504	52.649	52.794	52.939	53.084	53.229	53.374	53.519
370	53.664	53.809	53.954	54.099	54.244	54.389	54.534	54.679	54.824	54.969
380	55.114	55.259	55.404	55.549	55.694	55.840	55.985	56.130	56.275	56.420
390	56.565	56.710	56.855	57.000	57.145	57.290	57.435	57.580	57.725	57.870
400	58.015	58.160	58.305	58.450	58.595	58.740	58.885	59.030	59.175	59.320
410	59.465	59.611	59.756	59.901	60.046	60.191	60.336	60.481	60.626	60.771
420	60.916	61.061	61.206	61.351	61.496	61.641	61.786	61.931	62.076	62.221
430	62.366	62.511	62.656	62.801	62.946	63.091	63.236	63.381	63.527	63.672
440	63.817	63.962	64.107	64.252	64.397	64.542	64.687	64.832	64.977	65.122
450	65.267	65.412	65.557	65.702	65.847	65.992	66.137	66.282	66.427	66.572
460	66.717	66.862	67.007	67.152	67.298	67.443	67.588	67.733	67.878	68.023
470	68.168	68.313	68.458	68.603	68.748	68.893	69.038	69.183	69.328	69.473
480	69.618	69.763	69.908	70.053	70.198	70.343	70.488	70.633	70.778	70.923
490	71.068	71.214	71.359	71.504	71.649	71.794	71.939	72.084	72.229	72.374
500	72.519	72.664	72.809	72.954	73.099	73.244	73.389	73.534	73.679	73.824

(Continued)

TABLE 161 KILONEWTONS PER SQUARE METRE
TO POUNDS-FORCE PER SQUARE
INCH — Contdसारणी 161 किलोन्यूटन प्रति वर्ग मीटर से पाउंड-बल प्रति वर्ग इंच
में — जारी

Kiloneutons per Square Metre किलोन्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Pounds-force per square inch (lbf / in ²)					पाउंड-बल प्रति वर्ग इंच (पाउ/इंच ²)				
510	73-969	74-114	74-259	74-404	74-549	74-694	74-839	74-985	75-130	75-275
520	75-420	75-565	75-710	75-855	76-000	76-145	76-290	76-435	76-580	76-725
530	76-870	77-015	77-160	77-305	77-450	77-595	77-740	77-885	78-030	78-175
540	78-320	78-465	78-610	78-755	78-901	79-046	79-191	79-336	79-481	79-626
550	79-771	79-916	80-061	80-206	80-351	80-496	80-641	80-786	80-931	81-076
560	81-221	81-366	81-511	81-656	81-801	81-946	82-091	82-236	82-381	82-526
570	82-672	82-817	82-962	83-107	83-252	83-397	83-542	83-687	83-832	83-977
580	84-122	84-267	84-412	84-557	84-702	84-847	84-992	85-137	85-282	85-427
590	85-572	85-717	85-862	86-007	86-152	86-297	86-442	86-588	86-733	86-878
600	87-023	87-168	87-313	87-458	87-603	87-748	87-893	88-038	88-183	88-328
610	88-473	88-618	88-763	88-908	89-053	89-198	89-343	89-488	89-633	89-778
620	89-923	90-068	90-213	90-359	90-504	90-649	90-794	90-939	91-084	91-229
630	91-374	91-519	91-664	91-809	91-954	92-099	92-244	92-389	92-534	92-679
640	92-824	92-969	93-114	93-259	93-404	93-549	93-694	93-839	93-984	94-129
650	94-275	94-420	94-565	94-710	94-855	95-000	95-145	95-290	95-435	95-580
660	95-725	95-870	96-015	96-160	96-305	96-450	96-595	96-740	96-885	97-030
670	97-175	97-320	97-465	97-610	97-755	97-900	98-046	98-191	98-336	98-481
680	98-626	98-771	98-916	99-061	99-206	99-351	99-496	99-641	99-786	99-931
690	100-076	100-221	100-366	100-511	100-656	100-801	100-946	101-091	101-236	101-381
700	101-526	101-671	101-816	101-962	102-107	102-252	102-397	102-542	102-687	102-832
710	102-977	103-122	103-267	103-412	103-557	103-702	103-847	103-992	104-137	104-282
720	104-427	104-572	104-717	104-862	105-007	105-152	105-297	105-442	105-587	105-733
730	105-878	106-023	106-168	106-313	106-458	106-603	106-748	106-893	107-038	107-183
740	107-328	107-473	107-618	107-763	107-908	108-053	108-198	108-343	108-488	108-633
750	108-778	108-923	109-068	109-213	109-358	109-503	109-649	109-794	109-939	110-084
760	110-229	110-374	110-519	110-664	110-809	110-954	111-099	111-244	111-389	111-534
770	111-679	111-824	111-969	112-114	112-259	112-404	112-549	112-694	112-839	112-984
780	113-129	113-274	113-420	113-565	113-710	113-855	114-000	114-145	114-290	114-435
790	114-580	114-725	114-870	115-015	115-160	115-305	115-450	115-595	115-740	115-885
800	116-030	116-175	116-320	116-465	116-610	116-755	116-900	117-045	117-190	117-336
810	117-481	117-626	117-771	117-916	118-061	118-206	118-351	118-496	118-641	118-786
820	118-931	119-076	119-221	119-366	119-511	119-656	119-801	119-946	120-091	120-236
830	120-381	120-526	120-671	120-816	120-961	121-107	121-252	121-397	121-542	121-687
840	121-832	121-977	122-122	122-267	122-412	122-557	122-702	122-847	122-992	123-137
850	123-282	123-427	123-572	123-717	123-862	124-007	124-152	124-297	124-442	124-587
860	124-732	124-877	125-023	125-168	125-313	125-458	125-603	125-748	125-893	126-038
870	126-183	126-328	126-473	126-618	126-763	126-908	127-053	127-198	127-343	127-488
880	127-633	127-778	127-923	128-068	128-213	128-358	128-503	128-648	128-794	128-939
890	129-084	129-229	129-374	129-519	129-664	129-809	129-954	130-099	130-244	130-389
900	130-534	130-679	130-824	130-969	131-114	131-259	131-404	131-549	131-694	131-839
910	131-984	132-129	132-274	132-419	132-564	132-710	132-855	133-000	133-145	133-290
920	133-435	133-580	133-725	133-870	134-015	134-160	134-305	134-450	134-595	134-740
930	134-885	135-030	135-175	135-320	135-465	135-610	135-755	135-900	136-045	136-190
940	136-335	136-481	136-626	136-771	136-916	137-061	137-206	137-351	137-496	137-641
950	137-786	137-931	138-076	138-221	138-366	138-511	138-656	138-801	138-946	139-091
960	139-236	139-381	139-526	139-671	139-816	139-961	140-106	140-251	140-397	140-542
970	140-687	140-832	140-977	141-122	141-267	141-412	141-557	141-702	141-847	141-992
980	142-137	142-282	142-427	142-572	142-717	142-862	143-007	143-152	143-297	143-442
990	143-587	143-732	143-877	144-022	144-168	144-313	144-458	144-603	144-748	144-893
1 000	145-038									

NOTE 1 — For converting kiloneutons per square metre to kilograms-force per square centimetre, see the directions given in Note 1 under Table 153.

नोट 1 — किलोन्यूटन प्रति वर्ग मीटर से किलोग्राम-बल प्रति वर्ग सेंटीमीटर में परिवर्तन के लिए सारणी 153 के नोट 1 में दिए निर्देश देखिए।

NOTE 2 — For converting meganewtons per square metre to kilograms-force per square millimetre, see the directions given in Note 2 under Table 153.

नोट 2 — मेगान्यूटन प्रति वर्ग मीटर से किलोग्राम-बल प्रति वर्ग मिलीमीटर में परिवर्तन के लिए सारणी 153 के नोट 2 में दिए निर्देश देखिए।

TABLE 162 POUNDS-FORCE PER SQUARE FOOT
TO NEWTONS PER SQUARE METRE

सारणी 162 पाँड-बल प्रति वर्ग फुट से न्यूटन प्रति वर्ग मीटर में

Based on { 1 lbf = 0.453 592 4 kgf
1 kgf = 9.806 65 N
1 ft = 0.304 8 m

माधार { 1 पाँड = 0.453 592 4 किलोग्राम
1 किलोग्राम = 9.806 65 न्यूटन
1 फुट = 0.304 8 मी

Pounds- Force per Square Foot पाँड-बल प्रति वर्ग फुट	0	1	2	3	4	5	6	7	8	9
	Newtons per square metre (N/m ²)					न्यूटन प्रति वर्ग मीटर (न्यू/मी ²)				
0		47 880.3	95 761	143 641	191 521	239 401	287 282	335 162	383 042	430 922
10	478 803	526 68	574 56	622 44	670 32	718 20	766 08	813 96	861 84	909 72
20	957 61	1 005 49	1 053 37	1 101 25	1 149 13	1 197 01	1 244 89	1 292 77	1 340 65	1 388 53
30	1 436 41	1 484 29	1 532 17	1 580 05	1 627 93	1 675 81	1 723 69	1 771 57	1 819 45	1 867 33
40	1 915 21	1 963 09	2 010 97	2 058 85	2 106 73	2 154 61	2 202 49	2 250 37	2 298 25	2 346 13
50	2 394 01	2 441 89	2 489 77	2 537 65	2 585 53	2 633 41	2 681 29	2 729 17	2 777 06	2 824 94
60	2 872 82	2 920 70	2 968 58	3 016 46	3 064 34	3 112 22	3 160 10	3 207 98	3 255 86	3 303 74
70	3 351 62	3 399 50	3 447 38	3 495 26	3 543 14	3 591 02	3 638 90	3 686 78	3 734 66	3 782 54
80	3 830 42	3 878 30	3 926 18	3 974 06	4 021 94	4 069 82	4 117 70	4 165 58	4 213 46	4 261 34
90	4 309 22	4 357 10	4 404 98	4 452 86	4 500 74	4 548 62	4 596 51	4 644 39	4 692 27	4 740 15
100	4 788 03	4 835 91	4 883 79	4 931 67	4 979 55	5 027 4	5 075 3	5 123 2	5 171 1	5 218 9
110	5 266 8	5 314 7	5 362 6	5 410 5	5 458 3	5 506 2	5 554 1	5 602 0	5 649 9	5 697 8
120	5 745 6	5 793 5	5 841 4	5 889 3	5 937 2	5 985 0	6 032 9	6 080 8	6 128 7	6 176 6
130	6 224 4	6 272 3	6 320 2	6 368 1	6 416 0	6 463 8	6 511 7	6 559 6	6 607 5	6 655 4
140	6 703 2	6 751 1	6 799 0	6 846 9	6 894 8	6 942 6	6 990 5	7 038 4	7 086 3	7 134 2
150	7 182 0	7 229 9	7 277 8	7 325 7	7 373 6	7 421 4	7 469 3	7 517 2	7 565 1	7 613 0
160	7 660 8	7 708 7	7 756 6	7 804 5	7 852 4	7 900 2	7 948 1	7 996 0	8 043 9	8 091 8
170	8 139 6	8 187 5	8 235 4	8 283 3	8 331 2	8 379 0	8 426 9	8 474 8	8 522 7	8 570 6
180	8 618 4	8 666 3	8 714 2	8 762 1	8 810 0	8 857 8	8 905 7	8 953 6	9 001 5	9 049 4
190	9 097 2	9 145 1	9 193 0	9 240 9	9 288 8	9 336 7	9 384 5	9 432 4	9 480 3	9 528 2
200	9 576 1	9 623 9	9 671 8	9 719 7	9 767 6	9 815 5	9 863 3	9 911 2	9 959 1	10 007 0
210	10 054 9	10 102 7	10 150 6	10 198 5	10 246 4	10 294 3	10 342 1	10 390 0	10 437 9	10 485 8
220	10 533 7	10 581 5	10 629 4	10 677 3	10 725 2	10 773 1	10 820 9	10 868 8	10 916 7	10 964 6
230	11 012 5	11 060 3	11 108 2	11 156 1	11 204 0	11 251 9	11 299 7	11 347 6	11 395 5	11 443 4
240	11 491 3	11 539 1	11 587 0	11 634 9	11 682 8	11 730 7	11 778 5	11 826 4	11 874 3	11 922 2
250	11 970 1	12 017 9	12 065 8	12 113 7	12 161 6	12 209 5	12 257 3	12 305 2	12 353 1	12 401 0
260	12 448 9	12 496 7	12 544 6	12 592 5	12 640 4	12 688 3	12 736 1	12 784 0	12 831 9	12 879 8
270	12 927 7	12 975 6	13 023 4	13 071 3	13 119 2	13 167 1	13 215 0	13 262 8	13 310 7	13 358 6
280	13 406 5	13 454 4	13 502 2	13 550 1	13 598 0	13 645 9	13 693 8	13 741 6	13 789 5	13 837 4
290	13 885 3	13 933 2	13 981 0	14 028 9	14 076 8	14 124 7	14 172 6	14 220 4	14 268 3	14 316 2
300	14 364 1	14 412 0	14 459 8	14 507 7	14 555 6	14 603 5	14 651 4	14 699 2	14 747 1	14 795 0
310	14 842 9	14 890 8	14 938 6	14 986 5	15 034 4	15 082 3	15 130 2	15 178 0	15 225 9	15 273 8
320	15 321 7	15 369 6	15 417 4	15 465 3	15 513 2	15 561 1	15 609 0	15 656 8	15 704 7	15 752 6
330	15 800 5	15 848 4	15 896 2	15 944 1	15 992 0	16 039 9	16 087 8	16 135 6	16 183 5	16 231 4
340	16 279 3	16 327 2	16 375 0	16 422 9	16 470 8	16 518 7	16 566 6	16 614 5	16 662 3	16 710 2
350	16 758 1	16 806 0	16 853 9	16 901 7	16 949 6	16 997 5	17 045 4	17 093 3	17 141 1	17 189 0
360	17 236 9	17 284 8	17 332 7	17 380 5	17 428 4	17 476 3	17 524 2	17 572 1	17 619 9	17 667 8
370	17 715 7	17 763 6	17 811 5	17 859 3	17 907 2	17 955 1	18 003 0	18 050 9	18 098 7	18 146 6
380	18 194 5	18 242 4	18 290 3	18 338 1	18 386 0	18 433 9	18 481 8	18 529 7	18 577 5	18 625 4
390	18 673 3	18 721 2	18 769 1	18 816 9	18 864 8	18 912 7	18 960 6	19 008 5	19 056 3	19 104 2
400	19 152 1	19 200 0	19 247 9	19 295 7	19 343 6	19 391 5	19 439 4	19 487 3	19 535 1	19 583 0
410	19 630 9	19 678 8	19 726 7	19 774 5	19 822 4	19 870 3	19 918 2	19 966 1	20 013 9	20 061 8
420	20 109 7	20 157 6	20 205 5	20 253 4	20 301 2	20 349 1	20 397 0	20 444 9	20 492 8	20 540 6
430	20 588 5	20 636 4	20 684 3	20 732 2	20 780 0	20 827 9	20 875 8	20 923 7	20 971 6	21 019 4
440	21 067 3	21 115 2	21 163 1	21 211 0	21 258 8	21 306 7	21 354 6	21 402 5	21 450 4	21 498 2
450	21 546 1	21 594 0	21 641 9	21 689 8	21 737 6	21 785 5	21 833 4	21 881 3	21 929 2	21 977 0
460	22 024 9	22 072 8	22 120 7	22 168 6	22 216 4	22 264 3	22 312 2	22 360 1	22 408 0	22 455 8
470	22 503 7	22 551 6	22 599 5	22 647 4	22 695 2	22 743 1	22 791 0	22 838 9	22 886 8	22 934 6
480	22 982 5	23 030 4	23 078 3	23 126 2	23 174 0	23 221 9	23 269 8	23 317 7	23 365 6	23 413 4
490	23 461 3	23 509 2	23 557 1	23 605 0	23 652 8	23 700 7	23 748 6	23 796 5	23 844 4	23 892 3
500	23 940 1	23 988 0	24 035 9	24 083 7	24 131 6	24 179 5	24 227 4	24 275 3	24 323 2	24 371 1

(Continued)

TABLE 162 POUNDS-FORCE PER SQUARE FOOT TO NEWTONS PER SQUARE METRE
— Contd

सारणी 162 पाउंड-बल प्रति वर्ग फुट से टन प्रति वर्ग मीटर में — जारी

Pounds-Force per Square Foot पाउंड-बल प्रति वर्ग फुट	0	1	2	3	4	5	6	7	8	9
	Newtons per square metre (N/m ²)					न्यूटन प्रति वर्ग मीटर (न्यू/मी ²)				
510	24 418.9	24 466.8	24 514.7	24 562.6	24 610.5	24 658.3	24 706.2	24 754.1	24 802.0	24 849.9
520	24 897.7	24 945.6	24 993.5	25 041.4	25 089.3	25 137.1	25 185.0	25 232.9	25 280.8	25 328.7
530	25 376.5	25 424.4	25 472.3	25 520.2	25 568.1	25 615.9	25 663.8	25 711.7	25 759.6	25 807.5
540	25 855.3	25 903.2	25 951.1	25 999.0	26 046.9	26 094.7	26 142.6	26 190.5	26 238.4	26 286.3
550	26 334.1	26 382.0	26 429.9	26 477.8	26 525.7	26 573.5	26 621.4	26 669.3	26 717.2	26 765.1
560	26 812.9	26 860.8	26 908.7	26 956.6	27 004.5	27 052.3	27 100.2	27 148.1	27 196.0	27 243.9
570	27 291.7	27 339.6	27 387.5	27 435.4	27 483.3	27 531.2	27 579.0	27 626.9	27 674.8	27 722.7
580	27 770.6	27 818.4	27 866.3	27 914.2	27 962.1	28 010.0	28 057.8	28 105.7	28 153.6	28 201.5
590	28 249.4	28 297.2	28 345.1	28 393.0	28 440.9	28 488.8	28 536.6	28 584.5	28 632.4	28 680.3
600	28 728.2	28 776.0	28 823.9	28 871.8	28 919.7	28 967.6	29 015.4	29 063.3	29 111.2	29 159.1
610	29 207.0	29 254.8	29 302.7	29 350.6	29 398.5	29 446.4	29 494.2	29 542.1	29 590.0	29 637.9
620	29 685.8	29 733.6	29 781.5	29 829.4	29 877.3	29 925.2	29 973.0	30 020.9	30 068.8	30 116.7
630	30 164.6	30 212.4	30 260.3	30 308.2	30 356.1	30 404.0	30 451.8	30 499.7	30 547.6	30 595.5
640	30 643.4	30 691.2	30 739.1	30 787.0	30 834.9	30 882.8	30 930.6	30 978.5	31 026.4	31 074.3
650	31 122.2	31 170.1	31 217.9	31 265.8	31 313.7	31 361.6	31 409.5	31 457.3	31 505.2	31 553.1
660	31 601.0	31 648.9	31 696.7	31 744.6	31 792.5	31 840.4	31 888.3	31 936.1	31 984.0	32 031.9
670	32 079.8	32 127.7	32 175.5	32 223.4	32 271.3	32 319.2	32 367.1	32 414.9	32 462.8	32 510.7
680	32 558.6	32 606.5	32 654.3	32 702.2	32 750.1	32 798.0	32 845.9	32 893.7	32 941.6	32 989.5
690	33 037.4	33 085.3	33 133.1	33 181.0	33 228.9	33 276.8	33 324.7	33 372.5	33 420.4	33 468.3
700	33 516.2	33 564.1	33 611.9	33 659.8	33 707.7	33 755.6	33 803.5	33 851.3	33 899.2	33 947.1
710	33 995.0	34 042.9	34 090.7	34 138.6	34 186.5	34 234.4	34 282.3	34 330.1	34 378.0	34 425.9
720	34 473.8	34 521.7	34 569.5	34 617.4	34 665.3	34 713.2	34 761.1	34 809.0	34 856.8	34 904.7
730	34 952.6	35 000.5	35 048.4	35 096.2	35 144.1	35 192.0	35 239.9	35 287.8	35 335.6	35 383.5
740	35 431.4	35 479.3	35 527.2	35 575.0	35 622.9	35 670.8	35 718.7	35 766.6	35 814.4	35 862.3
750	35 910.2	35 958.1	36 006.0	36 053.8	36 101.7	36 149.6	36 197.5	36 245.4	36 293.2	36 341.1
760	36 389.0	36 436.9	36 484.8	36 532.6	36 580.5	36 628.4	36 676.3	36 724.2	36 772.0	36 819.9
770	36 867.8	36 915.7	36 963.6	37 011.4	37 059.3	37 107.2	37 155.1	37 203.0	37 250.8	37 298.7
780	37 346.6	37 394.5	37 442.4	37 490.2	37 538.1	37 586.0	37 633.9	37 681.8	37 729.6	37 777.5
790	37 825.4	37 873.3	37 921.2	37 969.0	38 016.9	38 064.8	38 112.7	38 160.6	38 208.4	38 256.3
800	38 304.2	38 352.1	38 400.0	38 447.9	38 495.7	38 543.6	38 591.5	38 639.4	38 687.3	38 735.1
810	38 783.0	38 830.9	38 878.8	38 926.7	38 974.5	39 022.4	39 070.3	39 118.2	39 166.1	39 213.9
820	39 261.8	39 309.7	39 357.6	39 405.5	39 453.3	39 501.2	39 549.1	39 597.0	39 644.9	39 692.7
830	39 740.6	39 788.5	39 836.4	39 884.3	39 932.1	39 980.0	40 027.9	40 075.8	40 123.7	40 171.5
840	40 219.4	40 267.3	40 315.2	40 363.1	40 410.9	40 458.8	40 506.7	40 554.6	40 602.5	40 650.3
850	40 698.2	40 746.1	40 794.0	40 841.9	40 889.7	40 937.6	40 985.5	41 033.4	41 081.3	41 129.1
860	41 177.0	41 224.9	41 272.8	41 320.7	41 368.5	41 416.4	41 464.3	41 512.2	41 560.1	41 607.9
870	41 655.8	41 703.7	41 751.6	41 799.5	41 847.3	41 895.2	41 943.1	41 991.0	42 038.9	42 086.8
880	42 134.6	42 182.5	42 230.4	42 278.3	42 326.2	42 374.0	42 421.9	42 469.8	42 517.7	42 565.6
890	42 613.4	42 661.3	42 709.2	42 757.1	42 805.0	42 852.8	42 900.7	42 948.6	42 996.5	43 044.4
900	43 092.2	43 140.1	43 188.0	43 235.9	43 283.8	43 331.6	43 379.5	43 427.4	43 475.3	43 523.2
910	43 571.0	43 618.9	43 666.8	43 714.7	43 762.6	43 810.4	43 858.3	43 906.2	43 954.1	44 002.0
920	44 049.8	44 097.7	44 145.6	44 193.5	44 241.4	44 289.2	44 337.1	44 385.0	44 432.9	44 480.8
930	44 528.6	44 576.5	44 624.4	44 672.3	44 720.2	44 768.0	44 815.9	44 863.8	44 911.7	44 959.6
940	45 007.4	45 055.3	45 103.2	45 151.1	45 199.0	45 246.8	45 294.7	45 342.6	45 390.5	45 438.4
950	45 486.2	45 534.1	45 582.0	45 629.9	45 677.8	45 725.7	45 773.5	45 821.4	45 869.3	45 917.2
960	45 965.1	46 012.9	46 060.8	46 108.7	46 156.6	46 204.5	46 252.3	46 300.2	46 348.1	46 396.0
970	46 443.9	46 491.7	46 539.6	46 587.5	46 635.4	46 683.3	46 731.1	46 779.0	46 826.9	46 874.8
980	46 922.7	46 970.5	47 018.4	47 066.3	47 114.2	47 162.1	47 209.9	47 257.8	47 305.7	47 353.6
990	47 401.5	47 449.3	47 497.2	47 545.1	47 593.0	47 640.9	47 688.7	47 736.6	47 784.5	47 832.4
1000	47 880.3									

TABLE 163 NEWTONS PER SQUARE METRE TO POUNDS-FORCE PER SQUARE FOOT

सारणी 163 न्यूटन प्रति वर्ग मीटर से पौंड-बल प्रति वर्ग फुट में

Based on { $1 \text{ lbf} = 0.453\,592\,4 \text{ kgf}$
 $1 \text{ kgf} = 9.806\,65 \text{ N}$
 $1 \text{ ft} = 0.304\,8 \text{ m}$

आधार { $1 \text{ पौंड} = 0.453\,592\,4 \text{ किग्रा}$
 $1 \text{ किग्रा} = 9.806\,65 \text{ न्यू}$
 $1 \text{ फुट} = 0.304\,8 \text{ मी}$

Newton per Square Metre न्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Pounds-force per square foot (lbf/ft ²)					पौंड-बल प्रति वर्ग फुट (पौंड/फुट ²)				
0	0	0.020 885 4	0.041 770 9	0.062 656	0.083 542	0.104 427	0.125 313	0.146 198	0.167 083	0.187 969
10	0.208 854	0.229 740	0.250 625	0.271 511	0.292 396	0.313 281	0.334 167	0.355 052	0.375 938	0.396 823
20	0.417 709	0.438 594	0.459 480	0.480 365	0.501 25	0.522 14	0.543 02	0.563 91	0.584 79	0.605 68
30	0.626 56	0.647 45	0.668 33	0.689 22	0.710 10	0.730 99	0.751 88	0.772 76	0.793 65	0.814 53
40	0.835 42	0.856 30	0.877 19	0.898 07	0.918 96	0.939 84	0.960 73	0.981 62	1.002 50	1.023 39
50	1.044 27	1.065 16	1.086 04	1.106 93	1.127 81	1.148 70	1.169 58	1.190 47	1.211 36	1.232 24
60	1.253 13	1.274 01	1.294 90	1.315 78	1.336 67	1.357 55	1.378 44	1.399 32	1.420 21	1.441 09
70	1.461 98	1.482 87	1.503 75	1.524 64	1.545 52	1.566 41	1.587 29	1.608 18	1.629 06	1.649 95
80	1.670 83	1.691 72	1.712 61	1.733 49	1.754 38	1.775 26	1.796 15	1.817 03	1.837 92	1.858 80
90	1.879 69	1.900 57	1.921 46	1.942 35	1.963 23	1.984 12	2.005 00	2.025 89	2.046 77	2.067 66
100	2.088 54	2.109 43	2.130 31	2.151 20	2.172 09	2.192 97	2.213 86	2.234 74	2.255 63	2.276 51
110	2.297 40	2.318 28	2.339 17	2.360 05	2.380 94	2.401 82	2.422 71	2.443 60	2.464 48	2.485 37
120	2.506 25	2.527 14	2.548 02	2.568 91	2.589 79	2.610 68	2.631 56	2.652 45	2.673 34	2.694 22
130	2.715 11	2.735 99	2.756 88	2.777 76	2.798 65	2.819 53	2.840 42	2.861 30	2.882 19	2.903 08
140	2.923 96	2.944 85	2.965 73	2.986 62	3.007 50	3.028 39	3.049 27	3.070 16	3.091 04	3.111 93
150	3.132 81	3.153 70	3.174 59	3.195 47	3.216 36	3.237 24	3.258 13	3.279 01	3.299 90	3.320 78
160	3.341 67	3.362 55	3.383 44	3.404 33	3.425 21	3.446 10	3.466 98	3.487 87	3.508 75	3.529 64
170	3.550 52	3.571 41	3.592 29	3.613 18	3.634 07	3.654 95	3.675 84	3.696 72	3.717 61	3.738 49
180	3.759 38	3.780 26	3.801 15	3.822 03	3.842 92	3.863 81	3.884 69	3.905 58	3.926 46	3.947 35
190	3.968 23	3.989 12	4.010 00	4.030 89	4.051 77	4.072 66	4.093 54	4.114 43	4.135 32	4.156 20
200	4.177 09	4.197 97	4.218 86	4.239 74	4.260 63	4.281 51	4.302 40	4.323 28	4.344 17	4.365 06
210	4.385 94	4.406 83	4.427 71	4.448 60	4.469 48	4.490 37	4.511 25	4.532 14	4.553 02	4.573 91
220	4.594 80	4.615 68	4.636 57	4.657 45	4.678 34	4.699 22	4.720 11	4.740 99	4.761 88	4.782 76
230	4.803 65	4.824 53	4.845 42	4.866 31	4.887 19	4.908 08	4.928 96	4.949 85	4.970 73	4.991 62
240	5.012 5	5.033 4	5.054 3	5.075 2	5.096 0	5.116 9	5.137 8	5.158 7	5.179 6	5.200 5
250	5.221 4	5.242 2	5.263 1	5.284 0	5.304 9	5.325 8	5.346 7	5.367 6	5.388 4	5.409 3
260	5.430 2	5.451 1	5.472 0	5.492 9	5.513 8	5.534 6	5.555 5	5.576 4	5.597 3	5.618 2
270	5.639 1	5.660 0	5.680 8	5.701 7	5.722 6	5.743 5	5.764 4	5.785 3	5.806 2	5.827 0
280	5.847 9	5.868 8	5.889 7	5.910 6	5.931 5	5.952 3	5.973 2	5.994 1	6.015 0	6.035 9
290	6.056 8	6.077 7	6.098 5	6.119 4	6.140 3	6.161 2	6.182 1	6.203 0	6.223 9	6.244 7
300	6.265 6	6.286 5	6.307 4	6.328 3	6.349 2	6.370 1	6.390 9	6.411 8	6.432 7	6.453 6
310	6.474 5	6.495 4	6.516 3	6.537 1	6.558 0	6.578 9	6.599 8	6.620 7	6.641 6	6.662 5
320	6.683 3	6.704 2	6.725 1	6.746 0	6.766 9	6.787 8	6.808 7	6.829 5	6.850 4	6.871 3
330	6.892 2	6.913 1	6.934 0	6.954 8	6.975 7	6.996 6	7.017 5	7.038 4	7.059 3	7.080 2
340	7.101 0	7.121 9	7.142 8	7.163 7	7.184 6	7.205 5	7.226 4	7.247 2	7.268 1	7.289 0
350	7.309 9	7.330 8	7.351 7	7.372 6	7.393 4	7.414 3	7.435 2	7.456 1	7.477 0	7.497 9
360	7.518 8	7.539 6	7.560 5	7.581 4	7.602 3	7.623 2	7.644 1	7.665 0	7.685 8	7.706 7
370	7.727 6	7.748 5	7.769 4	7.790 3	7.811 2	7.832 0	7.852 9	7.873 8	7.894 7	7.915 6
380	7.936 5	7.957 3	7.978 2	7.999 1	8.020 0	8.040 9	8.061 8	8.082 7	8.103 5	8.124 4
390	8.145 3	8.166 2	8.187 1	8.208 0	8.228 9	8.249 7	8.270 6	8.291 5	8.312 4	8.333 3
400	8.354 2	8.375 1	8.395 9	8.416 8	8.437 7	8.458 6	8.479 5	8.500 4	8.521 3	8.542 1
410	8.563 0	8.583 9	8.604 8	8.625 7	8.646 6	8.667 5	8.688 3	8.709 2	8.730 1	8.751 0
420	8.771 9	8.792 8	8.813 7	8.834 5	8.855 4	8.876 3	8.897 2	8.918 1	8.939 0	8.959 9
430	8.980 7	9.001 6	9.022 5	9.043 4	9.064 3	9.085 2	9.106 0	9.126 9	9.147 8	9.168 7
440	9.189 6	9.210 5	9.231 4	9.252 2	9.273 1	9.294 0	9.314 9	9.335 8	9.356 7	9.377 6
450	9.398 4	9.419 3	9.440 2	9.461 1	9.482 0	9.502 9	9.523 8	9.544 6	9.565 5	9.586 4
460	9.607 3	9.628 2	9.649 1	9.670 0	9.690 8	9.711 7	9.732 6	9.753 5	9.774 4	9.795 3
470	9.816 2	9.837 0	9.857 9	9.878 8	9.899 7	9.920 6	9.941 5	9.962 4	9.983 2	10.004 1
480	10.025 0	10.045 9	10.066 8	10.087 7	10.108 5	10.129 4	10.150 3	10.171 2	10.192 1	10.213 0
490	10.233 9	10.254 7	10.275 6	10.296 5	10.317 4	10.338 3	10.359 2	10.380 1	10.400 9	10.421 8
500	10.442 7	10.463 6	10.484 5	10.505 4	10.526 3	10.547 1	10.568 0	10.588 9	10.609 8	10.630 7

(Continued)

TABLE 163 NEWTONS PER SQUARE METRE TO POUNDS-FORCE PER SQUARE FOOT

— Contd

सारणी 163 न्यूटन प्रति वर्ग मीटर से पाउंड-बल प्रति वर्ग फुट में
— जारी

Newton per Square Metre न्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Pounds-force per square foot (lbf/ft ²)					पाउंड-बल प्रति वर्ग फुट (पाउंड/फुट ²)				
510	10.651 6	10.672 5	10.693 3	10.714 2	10.735 1	10.756 0	10.776 9	10.797 8	10.818 7	10.839 5
520	10.860 4	10.881 3	10.902 2	10.923 1	10.944 0	10.964 9	10.985 7	11.006 6	11.027 5	11.048 4
530	11.069 3	11.090 2	11.111 1	11.131 9	11.152 8	11.173 7	11.194 6	11.215 5	11.236 4	11.257 2
540	11.278 1	11.299 0	11.319 9	11.340 8	11.361 7	11.382 6	11.403 4	11.424 3	11.445 2	11.466 1
550	11.487 0	11.507 9	11.528 8	11.549 6	11.570 5	11.591 4	11.612 3	11.633 2	11.654 1	11.675 0
560	11.695 8	11.716 7	11.737 6	11.758 5	11.779 4	11.800 3	11.821 2	11.842 0	11.862 9	11.883 8
570	11.904 7	11.925 6	11.946 5	11.967 4	11.988 2	12.009 1	12.030 0	12.050 9	12.071 8	12.092 7
580	12.113 6	12.134 4	12.155 3	12.176 2	12.197 1	12.218 0	12.238 9	12.259 7	12.280 6	12.301 5
590	12.322 4	12.343 3	12.364 2	12.385 1	12.405 9	12.426 8	12.447 7	12.468 6	12.489 5	12.510 4
600	12.531 3	12.552 1	12.573 0	12.593 9	12.614 8	12.635 7	12.656 6	12.677 5	12.698 3	12.719 2
610	12.740 1	12.761 0	12.781 9	12.802 8	12.823 7	12.844 5	12.865 4	12.886 3	12.907 2	12.928 1
620	12.949 0	12.969 9	12.990 7	13.011 6	13.032 5	13.053 4	13.074 3	13.095 2	13.116 1	13.136 9
630	13.157 8	13.178 7	13.199 6	13.220 5	13.241 4	13.262 2	13.283 1	13.304 0	13.324 9	13.345 8
640	13.366 7	13.387 6	13.408 4	13.429 3	13.450 2	13.471 1	13.492 0	13.512 9	13.533 8	13.554 6
650	13.575 5	13.596 4	13.617 3	13.638 2	13.659 1	13.680 0	13.700 8	13.721 7	13.742 6	13.763 5
660	13.784 4	13.805 3	13.826 2	13.847 0	13.867 9	13.888 8	13.909 7	13.930 6	13.951 5	13.972 4
670	13.993 2	14.014 1	14.035 0	14.055 9	14.076 8	14.097 7	14.118 6	14.139 4	14.160 3	14.181 2
680	14.202 1	14.223 0	14.243 9	14.264 8	14.285 6	14.306 5	14.327 4	14.348 3	14.369 2	14.390 1
690	14.410 9	14.431 8	14.452 7	14.473 6	14.494 5	14.515 4	14.536 3	14.557 1	14.578 0	14.598 9
700	14.619 8	14.640 7	14.661 6	14.682 5	14.703 3	14.724 2	14.745 1	14.766 0	14.786 9	14.807 8
710	14.828 7	14.849 5	14.870 4	14.891 3	14.912 2	14.933 1	14.954 0	14.974 9	14.995 7	15.016 6
720	15.037 5	15.058 4	15.079 3	15.100 2	15.121 1	15.141 9	15.162 8	15.183 7	15.204 6	15.225 5
730	15.246 4	15.267 3	15.288 1	15.309 0	15.329 9	15.350 8	15.371 7	15.392 6	15.413 4	15.434 3
740	15.455 2	15.476 1	15.497 0	15.517 9	15.538 8	15.559 6	15.580 5	15.601 4	15.622 3	15.643 2
750	15.664 1	15.685 0	15.705 8	15.726 7	15.747 6	15.768 5	15.789 4	15.810 3	15.831 2	15.852 0
760	15.872 9	15.893 8	15.914 7	15.935 6	15.956 5	15.977 4	15.998 2	16.019 1	16.040 0	16.060 9
770	16.081 8	16.102 7	16.123 6	16.144 4	16.165 3	16.186 2	16.207 1	16.228 0	16.248 9	16.269 8
780	16.290 6	16.311 5	16.332 4	16.353 3	16.374 2	16.395 1	16.416 0	16.436 8	16.457 7	16.478 6
790	16.499 5	16.520 4	16.541 3	16.562 1	16.583 0	16.603 9	16.624 8	16.645 7	16.666 6	16.687 5
800	16.708 3	16.729 2	16.750 1	16.771 0	16.791 9	16.812 8	16.833 7	16.854 5	16.875 4	16.896 3
810	16.917 2	16.938 1	16.959 0	16.979 9	17.000 7	17.021 6	17.042 5	17.063 4	17.084 3	17.105 2
820	17.126 1	17.146 9	17.167 8	17.188 7	17.209 6	17.230 5	17.251 4	17.272 3	17.293 1	17.314 0
830	17.334 9	17.355 8	17.376 7	17.397 6	17.418 5	17.439 3	17.460 2	17.481 1	17.502 0	17.522 9
840	17.543 8	17.564 6	17.585 5	17.606 4	17.627 3	17.648 2	17.669 1	17.690 0	17.710 8	17.731 7
850	17.752 6	17.773 5	17.794 4	17.815 3	17.836 2	17.857 0	17.877 9	17.898 8	17.919 7	17.940 6
860	17.961 5	17.982 4	18.003 2	18.024 1	18.045 0	18.065 9	18.086 8	18.107 7	18.128 6	18.149 4
870	18.170 3	18.191 2	18.212 1	18.233 0	18.253 9	18.274 8	18.295 6	18.316 5	18.337 4	18.358 3
880	18.379 2	18.400 1	18.421 0	18.441 8	18.462 7	18.483 6	18.504 5	18.525 4	18.546 3	18.567 1
890	18.588 0	18.608 9	18.629 8	18.650 7	18.671 6	18.692 5	18.713 3	18.734 2	18.755 1	18.776 0
900	18.796 9	18.817 8	18.838 7	18.859 5	18.880 4	18.901 3	18.922 2	18.943 1	18.964 0	18.984 9
910	19.005 7	19.026 6	19.047 5	19.068 4	19.089 3	19.110 2	19.131 1	19.151 9	19.172 8	19.193 7
920	19.214 6	19.235 5	19.256 4	19.277 3	19.298 1	19.319 0	19.339 9	19.360 8	19.381 7	19.402 6
930	19.423 5	19.444 3	19.465 2	19.486 1	19.507 0	19.527 9	19.548 8	19.569 7	19.590 5	19.611 4
940	19.632 3	19.653 2	19.674 1	19.695 0	19.715 8	19.736 7	19.757 6	19.778 5	19.799 4	19.820 3
950	19.841 2	19.862 0	19.882 9	19.903 8	19.924 7	19.945 6	19.966 5	19.987 4	20.008 2	20.029 1
960	20.050 0	20.070 9	20.091 8	20.112 7	20.133 6	20.154 4	20.175 3	20.196 2	20.217 1	20.238 0
970	20.258 9	20.279 8	20.300 6	20.321 5	20.342 4	20.363 3	20.384 2	20.405 1	20.426 0	20.446 8
980	20.467 7	20.488 6	20.509 5	20.530 4	20.551 3	20.572 2	20.593 0	20.613 9	20.634 8	20.655 7
990	20.676 6	20.697 5	20.718 3	20.739 2	20.760 1	20.781 0	20.801 9	20.822 8	20.843 7	20.864 5
1 000	20.885 4									

TABLE 164 INCHES OF MERCURY TO KILO-NEWTONS PER SQUARE METRE

सारणी 164 इंच पारा स्तम्भ से किलोन्यूटन प्रति वर्ग मीटर में

Based on $\begin{cases} 760 \text{ mm Hg} = 101\,325 \text{ N/m}^2 \\ 1 \text{ in} = 25.4 \text{ mm} \end{cases}$ आधार $\begin{cases} 760 \text{ मिमी Hg} = 101\,325 \text{ न्यू/मी}^2 \\ 1 \text{ इंच} = 25.4 \text{ मिमी} \end{cases}$

Inches of Mercury इंच पारा स्तम्भ	0	1	2	3	4	5	6	7	8	9
	Kilonewtons per square metre (KN/m ²) (किलोन्यूटन प्रति वर्ग मीटर (कन्यू/मी ²))									
0	0	3.386 3 ^a	6.772 8	10.159 2	13.545 6	16.931 9	20.318 3	23.704 7	27.091 1	30.477 5
10	33.863 9	37.250 3	40.636 7	44.023 0	47.409 4	50.796	54.182	57.569	60.955	64.341
20	67.728	71.114	74.501	77.887	81.273	84.660	88.046	91.432	94.819	98.205
30	101.592	104.978	108.364	111.751	115.137	118.524	121.910	125.296	128.683	132.069
40	135.456	138.842	142.228	145.615	149.001	152.387	155.774	159.160	162.547	165.933
50	169.319	172.706	176.092	179.479	182.865	186.251	189.638	193.024	196.411	199.797
60	203.183	206.570	209.956	213.342	216.729	220.115	223.502	226.888	230.274	233.661
70	237.047	240.434	243.820	247.206	250.593	253.979	257.366	260.752	264.138	267.525
80	270.911	274.297	277.684	281.070	284.457	287.843	291.229	294.616	298.002	301.389
90	304.775	308.161	311.548	314.934	318.320	321.707	325.093	328.480	331.866	335.252
100	338.639									

NOTE — For converting kilograms-force per square centimetre to bars or kilograms-force per square millimetre to hectobars, see the directions given under Note 3 of Table 152.

नोट — किलोग्राम-बल प्रति वर्ग सेंटीमीटर से बार में अथवा किलोग्राम-बल प्रति वर्ग मिलीमीटर से हेक्टाबार में परिवर्तन करने के लिए सारणी 152 के नोट 3 में दिए निर्देश देखिए।

TABLE 165 KILONEWTONS PER SQUARE METRE TO INCHES OF MERCURY

सारणी 165 किलोन्यूटन प्रति वर्ग मीटर से इंच पारा स्तम्भ में

Based on $\begin{cases} 760 \text{ mm Hg} = 101\,325 \text{ N/m}^2 \\ 1 \text{ in} = 25.4 \text{ mm} \end{cases}$ आधार $\begin{cases} 760 \text{ मिमी Hg} = 101\,325 \text{ न्यू/मी}^2 \\ 1 \text{ इंच} = 25.4 \text{ मिमी} \end{cases}$

Kilonewtons per Square Metre इंच पारा स्तम्भ	0	1	2	3	4	5	6	7	8	9
	Inches of mercury (in Hg) इंच पारा स्तम्भ (इंच Hg)									
0	0	0.295 300	0.590 60	0.885 90	1.181 20	1.476 50	1.771 80	2.067 10	2.362 40	2.657 7
10	2.953 00	3.248 30	3.543 60	3.838 90	4.134 20	4.429 50	4.724 80	5.020 1	5.315 4	5.610 7
20	5.906 0	6.201 3	6.496 6	6.791 9	7.087 2	7.382 5	7.677 8	7.973 1	8.268 4	8.563 7
30	8.859 0	9.154 3	9.449 6	9.744 9	10.040 2	10.335 5	10.630 8	10.926 1	11.221 4	11.516 7
40	11.812 0	12.107 3	12.402 6	12.697 9	12.993 2	13.288 5	13.583 8	13.879 1	14.174 4	14.469 7
50	14.765 0	15.060 3	15.355 6	15.650 9	15.946 2	16.241 5	16.536 8	16.832 1	17.127 4	17.422 7
60	17.718 0	18.013 3	18.308 6	18.603 9	18.899 2	19.194 5	19.489 8	19.785 1	20.080 4	20.375 7
70	20.671 0	20.966 3	21.261 6	21.556 9	21.852 2	22.147 5	22.442 8	22.738 1	23.033 4	23.328 7
80	23.624 0	23.919 3	24.214 6	24.509 9	24.805 2	25.100 5	25.395 8	25.691 1	25.986 4	26.281 7
90	26.577 0	26.872 3	27.167 6	27.462 9	27.758 2	28.053 5	28.348 8	28.644 1	28.939 4	29.234 7
100	29.530 0									

NOTE — For converting bars to kilograms-force per square centimetre or hectobars to kilograms-force per square millimetre, see the directions given in Note 3 of Table 153.

नोट — बार से किलोग्राम-बल प्रति वर्ग सेंटीमीटर में अथवा हेक्टाबार से किलोग्राम-बल प्रति वर्ग मिलीमीटर में परिवर्तन करने के लिए सारणी 153 के नोट 3 में दिए गए निर्देश देखिए।

TABLE 166 MILLIMETRES OF MERCURY TO KILONEWTONS PER SQUARE METRE

सारणी 166 मिलिमीटर पारा स्तम्भ से किलोन्यूटन प्रति वर्ग मीटर में

Based on : 760 mm Hg = 101 325 N/m²आधार : 760 मिमी Hg = 101 325 न्यू/मी²

Millimetres of Mercury मिलिमीटर पारा स्तम्भ	0	1	2	3	4	5	6	7	8	9
	Kilonewtons per square metre (kN/m ²)					किलोन्यूटन प्रति वर्ग मीटर (किन्/मी ²)				
0	0	0.133 322	0.266 645	0.399 967	0.533 29	0.666 61	0.799 93	0.933 26	1.066 58	1.199 90
10	1.333 22	1.466 55	1.599 87	1.733 19	1.866 51	1.999 84	2.133 16	2.266 48	2.399 80	2.533 12
20	2.666 45	2.799 77	2.933 09	3.066 41	3.199 74	3.333 06	3.466 38	3.599 70	3.733 03	3.866 35
30	3.999 67	4.132 99	4.266 32	4.399 64	4.532 96	4.666 28	4.799 61	4.932 93	5.066 2	5.199 6
40	5.332 9	5.466 2	5.599 5	5.732 9	5.866 2	5.999 5	6.132 8	6.266 2	6.399 5	6.532 8
50	6.666 1	6.799 4	6.932 8	7.066 1	7.199 4	7.332 7	7.466 1	7.599 4	7.732 7	7.866 0
60	7.999 3	8.132 7	8.266 0	8.399 3	8.532 6	8.666 0	8.799 3	8.932 6	9.065 9	9.199 2
70	9.332 6	9.465 9	9.599 2	9.732 5	9.865 9	9.999 2	10.132 5	10.265 8	10.399 1	10.532 5
80	10.665 8	10.799 1	10.932 4	1.065 8	11.199 1	11.332 4	11.465 7	11.599 0	11.732 4	11.865 7
90	11.999 0	12.132 3	12.265 7	12.399 0	12.532 3	12.665 6	12.798 9	12.932 3	13.065 6	13.198 9
100	13.332 2									

TABLE 167 KILONEWTONS PER SQUARE METRE TO MILLIMETRES OF MERCURY

सारणी 167 किलोन्यूटन प्रति वर्गमीटर से मिलिमीटर पारा स्तम्भ में

Based on : 760 mm Hg = 101 325 N/m²आधार : 760 मिमी Hg = 101 325 न्यू/मी²

Kilonewtons per Square Metre किलोन्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Millimetres of mercury (mm Hg)					मिलिमीटर पारा स्तम्भ (मिमी Hg)				
0	0	7.500 6	15.001 2	22.501 9	30.002 5	37.503 1	45.003 7	52.504	60.005	67.506
10	75.006	82.507	90.007	97.508	105.009	112.509	120.010	127.510	135.011	142.512
20	150.012	157.513	165.014	172.514	180.015	187.515	195.016	202.517	210.017	217.518
30	225.019	232.519	240.020	247.520	255.021	262.522	270.022	277.523	285.023	292.524
40	300.025	307.525	315.026	322.527	330.027	337.528	345.028	352.529	360.030	367.530
50	375.031	382.531	390.032	397.533	405.033	412.534	420.035	427.535	435.036	442.536
60	450.037	457.538	465.038	472.539	480.039	487.540	495.041	502.54	510.04	517.54
70	525.04	532.54	540.04	547.55	555.05	562.55	570.05	577.55	585.05	592.55
80	600.05	607.55	615.05	622.55	630.05	637.55	645.05	652.55	660.05	667.55
90	675.06	682.56	690.06	697.56	705.06	712.56	720.06	727.56	735.06	742.56
100	750.06									

TABLE 168 FEET OF WATER TO KILONEWTONS PER SQUARE METRE

सारिणी 168 फुट जल स्तम्भ से किलोन्यूटन प्रति वर्ग मीटर में

Based on $\begin{cases} 1 \text{ mm H}_2\text{O} = 9.80665 \text{ N/m}^2 \\ 1 \text{ ft} = 304.8 \text{ mm} \end{cases}$

बाधार $\begin{cases} 1 \text{ मिमी जल} = 9.80665 \text{ न्यू/मी}^2 \\ 1 \text{ फुट} = 304.8 \text{ मिमी} \end{cases}$

Feet of Water फुट जल स्तम्भ	0	1	2	3	4	5	6	7	8	9
	Kilonewtons per square metre (kN/m ²) किलोन्यूटन प्रति वर्ग मीटर (किन्यू/मी ²)									
0	0	2.989 07	5.978 1	8.967 2	11.956 3	14.945 3	17.934 4	20.923 5	23.912 5	26.901 6
10	29.890 7	32.879 7	35.868 8	38.857 9	41.846 9	44.836 0	47.825 1	50.814	53.803	56.792
20	59.781	62.770	65.759	68.749	71.738	74.727	77.716	80.705	83.694	86.683
30	89.672	92.661	95.650	98.639	101.628	104.617	107.606	110.595	113.585	116.574
40	119.563	122.552	125.541	128.530	131.519	134.508	137.497	140.486	143.475	146.464
50	149.453	152.442	155.431	158.421	161.410	164.399	167.388	170.377	173.366	176.355
60	179.344	182.333	185.322	188.311	191.300	194.289	197.278	200.267	203.257	206.246
70	209.235	212.224	215.213	218.202	221.191	224.180	227.169	230.158	233.147	236.136
80	239.125	242.114	245.103	248.093	251.082	254.071	257.060	260.049	263.038	266.027
90	269.016	272.005	274.994	277.983	280.972	283.961	286.950	289.939	292.929	295.918
100	298.907									

NOTE — For converting centimetres of water to newtons per square meter, see the directions given in Note 1 of Table 152.

नोट — सेंटीमीटर जल स्तम्भ से न्यूटन प्रति वर्गमीटर में परिवर्तन के लिए सारिणी 152 के नोट 1 में दिये गए निर्देश देखिए ।

TABLE 169 KILONEWTONS PER SQUARE METRE TO FEET OF WATER

सारिणी 169 किलोन्यूटन प्रति वर्ग मीटर से फुट जल स्तम्भ में

Based on $\begin{cases} 1 \text{ mm H}_2\text{O} = 9.80665 \text{ N/m}^2 \\ 1 \text{ ft} = 304.8 \text{ mm} \end{cases}$

बाधार $\begin{cases} 1 \text{ मिमी जल} = 9.80665 \text{ न्यू/मी}^2 \\ 1 \text{ फुट} = 304.8 \text{ मिमी} \end{cases}$

Kilonewtons per Square Metre किलोन्यूटन प्रति वर्ग मीटर	0	1	2	3	4	5	6	7	8	9
	Feet of water (ft H ₂ O) फुट जल स्तम्भ (फुट H ₂ O)									
0	0	0.334 553	0.669 11	1.003 66	1.338 21	1.672 76	2.007 32	2.341 87	2.676 42	3.010 97
10	3.345 53	3.680 08	4.014 63	4.349 18	4.683 74	5.018 3	5.352 8	5.687 4	6.021 9	6.356 5
20	6.691 1	7.025 6	7.360 2	7.694 7	8.029 3	8.363 8	8.698 4	9.032 9	9.367 5	9.702 0
30	10.036 6	10.371 1	10.705 7	11.040 2	11.374 8	11.709 3	12.043 9	12.378 4	12.713 0	13.047 5
40	13.382 1	13.716 7	14.051 2	14.385 8	14.720 3	15.054 9	15.389 4	15.724 0	16.058 5	16.393 1
50	16.727 6	17.062 2	17.396 7	17.731 3	18.065 8	18.400 4	18.734 9	19.069 5	19.404 0	19.738 6
60	20.073 2	20.407 7	20.742 3	21.076 8	21.411 4	21.745 9	22.080 5	22.415 0	22.749 6	23.084 1
70	23.418 7	23.753 2	24.087 8	24.422 3	24.756 9	25.091 4	25.426 0	25.760 5	26.095 1	26.429 7
80	26.764 2	27.098 8	27.433 3	27.767 9	28.102 4	28.437 0	28.771 5	29.106 1	29.440 6	29.775 2
90	30.109 7	30.444 3	30.778 8	31.113 4	31.447 9	31.782 5	32.117 0	32.451 6	32.786 2	33.120 7
100	33.455 3									

NOTE — For converting newtons per square metre to centimetres of water, see the directions given in Note 1 of Table 153.

नोट—न्यूटन प्रति वर्ग मीटर से सेंटीमीटर जल स्तम्भ में परिवर्तन के लिये सारिणी 153 के नोट 1 में दिये गए निर्देश देखिए ।

TABLE 170 INCHES OF WATER TO KILONEWTONS PER SQUARE METRE

सारणी 170 इंच जल स्तम्भ से किलोन्यूटन प्रति वर्ग मीटर में

Based on $\begin{cases} 1 \text{ mm H}_2\text{O} = 9.80665 \text{ N/m}^2 \\ 1 \text{ in} = 25.4 \text{ mm} \end{cases}$ आधार $\begin{cases} 1 \text{ मिमी H}_2\text{O} = 9.80665 \text{ न्यू/मी}^2 \\ 1 \text{ इंच} = 25.4 \text{ मिमी} \end{cases}$

Inches of Water इंच जल स्तम्भ	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Kilonewtons per square metre (KN/m ²)										
किलोन्यूटन प्रति वर्ग मीटर (किन्यू/मी ²)										
0	0	0.024 908 9	0.049 817 8	0.074 727	0.099 636	0.124 544	0.149 453	0.174 362	0.199 271	0.224 180
1	0.249 089	0.273 998	0.298 907	0.323 816	0.348 724	0.373 633	0.398 542	0.423 451	0.448 360	0.473 269
2	0.498 178	0.523 09	0.548 00	0.572 90	0.597 81	0.622 72	0.647 63	0.672 54	0.697 45	0.722 36
3	0.747 27	0.772 18	0.797 08	0.821 99	0.846 90	0.871 81	0.896 72	0.921 63	0.946 54	0.971 45
4	0.996 36	1.021 26	1.046 17	1.071 08	1.095 99	1.120 90	1.145 81	1.170 72	1.195 63	1.220 54
5	1.245 44	1.270 35	1.295 26	1.320 17	1.345 08	1.369 99	1.394 90	1.419 81	1.444 72	1.469 62
6	1.494 53	1.519 44	1.544 35	1.569 26	1.594 17	1.619 08	1.643 99	1.668 90	1.693 80	1.718 71
7	1.743 62	1.768 53	1.793 44	1.818 35	1.843 26	1.868 17	1.893 08	1.917 98	1.942 89	1.967 80
8	1.992 71	2.017 62	2.042 53	2.067 44	2.092 35	2.117 26	2.142 16	2.167 07	2.191 98	2.216 89
9	2.241 80	2.266 71	2.291 62	2.316 53	2.341 44	2.366 34	2.391 25	2.416 16	2.441 07	2.465 98
10	2.490 89									

TABLE 171 KILONEWTONS PER SQUARE METRE TO INCHES OF WATER

सारणी 171 किलोन्यूटन प्रति वर्ग मीटर से इंच जल स्तम्भ में

Based on $\begin{cases} 1 \text{ mm H}_2\text{O} = 9.80665 \text{ N/m}^2 \\ 1 \text{ in} = 25.4 \text{ mm} \end{cases}$ आधार $\begin{cases} 1 \text{ मिमी H}_2\text{O} = 9.80665 \text{ न्यू/मी}^2 \\ 1 \text{ इंच} = 25.4 \text{ मिमी} \end{cases}$

Kilonewtons per Square Metre किलोन्यूटन प्रति वर्ग मीटर	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Inches of water (in H ₂ O)										
इंच जल स्तम्भ (इंच H ₂ O)										
0	0	0.401 463	0.802 93	1.204 39	1.605 85	2.007 32	2.408 78	2.810 24	3.211 70	3.613 17
1	4.014 63	4.416 09	4.817 56	5.219 0	5.620 5	6.021 9	6.423 4	6.824 9	7.226 3	7.627 8
2	8.029 3	8.430 7	8.832 2	9.233 7	9.635 1	10.036 6	10.438 0	10.839 5	11.241 0	11.642 4
3	12.043 9	12.445 4	12.846 8	13.248 3	13.649 7	14.051 2	14.452 7	14.854 1	15.255 6	15.657 1
4	16.058 5	16.460 0	16.861 4	17.262 9	17.664 4	18.065 8	18.467 3	18.868 8	19.270 2	19.671 7
5	20.073 2	20.474 6	20.876 1	21.277 5	21.679 0	22.080 5	22.481 9	22.883 4	23.284 9	23.686 3
6	24.087 8	24.489 2	24.890 7	25.292 2	25.693 6	26.095 1	26.496 6	26.898 0	27.299 5	27.701 0
7	28.102 4	28.503 9	28.905 3	29.306 8	29.708 3	30.109 7	30.511 2	30.912 7	31.314 1	31.715 6
8	32.117 0	32.518 5	32.920 0	33.321 4	33.722 9	34.124 4	34.525 8	34.927 3	35.328 8	35.730 2
9	36.131 7	36.533 1	36.934 6	37.336 1	37.737 5	38.139 0	38.540 5	38.941 9	39.343 4	39.744 8
10	40.146 3									

5. WORK ENERGY

5. ऊर्जा (काम)

TABLE 172 FOOT POUNDS-FORCE TO JOULES

सारणी 172 फुट पौंड-बल से जूल में

Based on { 1 ft = 0.304 8 m
1 lbf = 0.453 592 4 kgf
1 kgf = 9.806 65 N

आधार पर { 1 फुट = 0.304 8 मी
1 पौंड = 0.453 592 4 किलोग्राम
1 किलोग्राम = 9.806 65 न्यूटन

Foot Pounds-Force फुट पौंड-बल	0	1	2	3	4	5	6	7	8	9
	Joules (J)									
	जूल (जूल)									
0	0	1.355 82	2.711 64	4.067 45	5.423 3	6.779 1	8.134 9	9.490 7	10.846 5	12.202 4
10	13.558 2	14.914 0	16.269 8	17.625 6	18.981 5	20.337 3	21.693 1	23.048 9	24.404 7	25.760 5
20	27.116 4	28.472 2	29.828 0	31.183 8	32.539 6	33.895 5	35.251 3	36.607 1	37.962 9	39.318 7
30	40.674 5	42.030 4	43.386 2	44.742 0	46.097 8	47.453 6	48.809 4	50.165	51.521	52.877
40	54.233	55.589	56.944	58.300	59.656	61.012	62.368	63.723	65.079	66.435
50	67.791	69.147	70.503	71.858	73.214	74.570	75.926	77.282	78.637	79.993
60	81.349	82.705	84.061	85.417	86.772	88.128	89.484	90.840	92.196	93.551
70	94.907	96.263	97.619	98.975	100.331	101.686	103.042	104.398	105.754	107.110
80	108.465	109.821	111.177	112.533	113.889	115.245	116.600	117.956	119.312	120.668
90	122.024	123.379	124.735	126.091	127.447	128.803	130.159	131.514	132.870	134.226
100	135.582	136.938	138.293	139.649	141.005	142.361	143.717	145.073	146.428	147.784
110	149.140	150.496	151.852	153.207	154.563	155.919	157.275	158.631	159.987	161.342
120	162.698	164.054	165.410	166.766	168.121	169.477	170.833	172.189	173.545	174.901
130	176.256	177.612	178.968	180.324	181.680	183.035	184.391	185.747	187.103	188.459
140	189.815	191.170	192.526	193.882	195.238	196.594	197.949	199.305	200.661	202.017
150	203.373	204.729	206.084	207.440	208.796	210.152	211.508	212.863	214.219	215.575
160	216.931	218.287	219.643	220.998	222.354	223.710	225.066	226.422	227.777	229.133
170	230.489	231.845	233.201	234.557	235.912	237.268	238.624	239.980	241.336	242.691
180	244.047	245.403	246.759	248.115	249.471	250.826	252.182	253.538	254.894	256.250
190	257.605	258.961	260.317	261.673	263.029	264.385	265.740	267.096	268.452	269.808
200	271.164	272.519	273.875	275.231	276.587	277.943	279.299	280.654	282.010	283.366
210	284.722	286.078	287.433	288.789	290.145	291.501	292.857	294.213	295.568	296.924
220	298.280	299.636	300.992	302.347	303.703	305.059	306.415	307.771	309.127	310.482
230	311.838	313.194	314.550	315.906	317.261	318.617	319.973	321.329	322.685	324.041
240	325.396	326.752	328.108	329.464	330.820	332.175	333.531	334.887	336.243	337.599
250	338.955	340.310	341.666	343.022	344.378	345.734	347.089	348.445	349.801	351.157
260	352.513	353.869	355.224	356.580	357.936	359.292	360.648	362.003	363.359	364.715
270	366.071	367.427	368.783	370.138	371.494	372.850	374.206	375.562	376.917	378.273
280	379.629	380.985	382.341	383.697	385.052	386.408	387.764	389.120	390.476	391.831
290	393.187	394.543	395.899	397.255	398.611	399.966	401.322	402.678	404.034	405.390
300	406.745	408.101	409.457	410.813	412.169	413.525	414.880	416.236	417.592	418.948
310	420.304	421.659	423.015	424.371	425.727	427.083	428.439	429.794	431.150	432.506
320	433.862	435.218	436.573	437.929	439.285	440.641	441.997	443.352	444.708	446.064
330	447.420	448.776	450.132	451.487	452.843	454.199	455.555	456.911	458.266	459.622
340	460.978	462.334	463.690	465.046	466.401	467.757	469.113	470.469	471.825	473.180
350	474.536	475.892	477.248	478.604	479.960	481.315	482.671	484.027	485.383	486.739
360	488.094	489.450	490.806	492.162	493.518	494.874	496.229	497.585	498.941	500.30
370	501.65	503.01	504.36	505.72	507.08	508.43	509.79	511.14	512.50	513.86
380	515.21	516.57	517.92	519.28	520.63	521.99	523.35	524.70	526.06	527.41
390	528.77	530.12	531.48	532.84	534.19	535.55	536.90	538.26	539.62	540.97
400	542.33	543.68	545.04	546.39	547.75	549.11	550.46	551.82	553.17	554.53
410	555.89	557.24	558.60	559.95	561.31	562.66	564.02	565.38	566.73	568.09
420	569.44	570.80	572.16	573.51	574.87	576.22	577.58	578.93	580.29	581.65
430	583.00	584.36	585.71	587.07	588.43	589.78	591.14	592.49	593.85	595.20
440	596.56	597.92	599.27	600.63	601.98	603.34	604.69	606.05	607.41	608.76
450	610.12	611.47	612.83	614.19	615.54	616.90	618.25	619.61	620.96	622.32
460	623.68	625.03	626.39	627.74	629.10	630.46	631.81	633.17	634.52	635.88
470	637.23	638.59	639.95	641.30	642.66	644.01	645.37	646.73	648.08	649.44
480	650.79	652.15	653.50	654.86	656.22	657.57	658.93	660.28	661.64	663.00
490	664.35	665.71	667.06	668.42	669.77	671.13	672.49	673.84	675.20	676.55
500	677.91	679.26	680.62	681.98	683.33	684.69	686.04	687.40	688.76	690.11

(Continued)

TABLE 172 FOOT POUNDS-FORCE TO JOULE
— Contd

सारिणी 172 फुट पाउंड-बल से जूल में — जारी

Foot Pounds-Force फुट पाउंड-बल	0	1	2	3	4	5	6	7	8	9
	Joules (J)									जूल (जूल)
510	691.47	692.82	694.18	695.53	696.89	698.25	699.60	700.96	702.31	703.67
520	705.03	706.38	707.74	709.09	710.45	711.80	713.16	714.52	715.87	717.23
530	718.58	719.94	721.30	722.65	724.01	725.36	726.72	728.07	729.43	730.79
540	732.14	733.50	734.85	736.21	737.57	738.92	740.28	741.63	742.99	744.34
550	745.70	747.06	748.41	749.77	751.12	752.48	753.83	755.19	756.55	757.90
560	759.26	760.61	761.97	763.33	764.68	766.04	767.39	768.75	770.10	771.46
570	772.82	774.17	775.53	776.88	778.24	779.60	780.95	782.31	783.66	785.02
580	786.37	787.73	789.09	790.44	791.80	793.15	794.51	795.87	797.22	798.58
590	799.93	801.29	802.64	804.00	805.36	806.71	808.07	809.42	810.78	812.14
600	813.49	814.85	816.20	817.56	818.91	820.27	821.63	822.98	824.34	825.69
610	827.05	828.40	829.76	831.12	832.47	833.83	835.18	836.54	837.90	839.25
620	840.61	841.96	843.32	844.67	846.03	847.39	848.74	850.10	851.45	852.81
630	854.17	855.52	856.88	858.23	859.59	860.94	862.30	863.66	865.01	866.37
640	867.72	869.08	870.44	871.79	873.15	874.50	875.86	877.21	878.57	879.93
650	881.28	882.64	883.99	885.35	886.70	888.06	889.42	890.77	892.13	893.48
660	894.84	896.20	897.55	898.91	900.26	901.62	902.97	904.33	905.69	907.04
670	908.40	909.75	911.11	912.47	913.82	915.18	916.53	917.89	919.24	920.60
680	921.96	923.31	924.67	926.02	927.38	928.74	930.09	931.45	932.80	934.16
690	935.51	936.87	938.23	939.58	940.94	942.29	943.65	945.01	946.36	947.72
700	949.07	950.43	951.78	953.14	954.50	955.85	957.21	958.56	959.92	961.27
710	962.63	963.99	965.34	966.70	968.05	969.41	970.77	972.12	973.48	974.83
720	976.19	977.54	978.90	980.26	981.61	982.97	984.32	985.68	987.04	988.39
730	989.75	991.10	992.46	993.81	995.17	996.53	997.88	999.24	1 000.59	1 001.95
740	1 003.31	1 004.66	1 006.02	1 007.37	1 008.73	1 010.08	1 011.44	1 012.80	1 014.15	1 015.51
750	1 016.86	1 018.22	1 019.58	1 020.93	1 022.29	1 023.64	1 025.00	1 026.35	1 027.71	1 029.07
760	1 030.42	1 031.78	1 033.13	1 034.49	1 035.84	1 037.20	1 038.56	1 039.91	1 041.27	1 042.62
770	1 043.98	1 045.34	1 046.69	1 048.05	1 049.40	1 050.76	1 052.11	1 053.47	1 054.83	1 056.18
780	1 057.54	1 058.89	1 060.25	1 061.61	1 062.96	1 064.32	1 065.67	1 067.03	1 068.38	1 069.74
790	1 071.10	1 072.45	1 073.81	1 075.16	1 076.52	1 077.88	1 079.23	1 080.59	1 081.94	1 083.30
800	1 084.65	1 086.01	1 087.37	1 088.72	1 090.08	1 091.43	1 092.79	1 094.15	1 095.50	1 096.86
810	1 098.21	1 099.57	1 100.92	1 102.28	1 103.64	1 104.99	1 106.35	1 107.70	1 109.06	1 110.41
820	1 111.77	1 113.13	1 114.48	1 115.84	1 117.19	1 118.55	1 119.91	1 121.26	1 122.62	1 123.97
830	1 125.33	1 126.68	1 128.04	1 129.40	1 130.75	1 132.11	1 133.46	1 134.82	1 136.18	1 137.53
840	1 138.89	1 140.24	1 141.60	1 142.95	1 144.31	1 145.67	1 147.02	1 148.38	1 149.73	1 151.09
850	1 152.45	1 153.80	1 155.16	1 156.51	1 157.87	1 159.22	1 160.58	1 161.94	1 163.29	1 164.65
860	1 166.00	1 167.36	1 168.72	1 170.07	1 171.43	1 172.78	1 174.14	1 175.49	1 176.85	1 178.21
870	1 179.56	1 180.92	1 182.27	1 183.63	1 184.98	1 186.34	1 187.70	1 189.05	1 190.41	1 191.76
880	1 193.12	1 194.48	1 195.83	1 197.19	1 198.54	1 199.90	1 201.25	1 202.61	1 203.97	1 205.32
890	1 206.68	1 208.03	1 209.39	1 210.75	1 212.10	1 213.46	1 214.81	1 216.17	1 217.52	1 218.88
900	1 220.24	1 221.59	1 222.95	1 224.30	1 225.66	1 227.02	1 228.37	1 229.73	1 231.08	1 232.44
910	1 233.79	1 235.15	1 236.51	1 237.86	1 239.22	1 240.57	1 241.93	1 243.29	1 244.64	1 246.00
920	1 247.35	1 248.71	1 250.06	1 251.42	1 252.78	1 254.13	1 255.49	1 256.84	1 258.20	1 259.55
930	1 260.91	1 262.27	1 263.62	1 264.98	1 266.33	1 267.69	1 269.05	1 270.40	1 271.76	1 273.11
940	1 274.47	1 275.82	1 277.18	1 278.54	1 279.89	1 281.25	1 282.60	1 283.96	1 285.32	1 286.67
950	1 288.03	1 289.38	1 290.74	1 292.09	1 293.45	1 294.81	1 296.16	1 297.52	1 298.87	1 300.23
960	1 301.59	1 302.94	1 304.30	1 305.65	1 307.01	1 308.36	1 309.72	1 311.08	1 312.43	1 313.79
970	1 315.14	1 316.50	1 317.86	1 319.21	1 320.57	1 321.92	1 323.28	1 324.63	1 325.99	1 327.35
980	1 328.70	1 330.06	1 331.41	1 332.77	1 334.12	1 335.48	1 336.84	1 338.19	1 339.55	1 340.90
990	1 342.26	1 343.62	1 344.97	1 346.33	1 347.68	1 349.04	1 350.39	1 351.75	1 353.11	1 354.46
1 000	1 355.82									

NOTE — For converting kilograms-force metre to joules, use Table 152 directly since 1 kgf m = 9.806 6 J.

नोट — किलोग्राम-बल मीटर से जूल में परिवर्तन के लिए सारिणी 152 को ज्यों का त्यों काम में लाइए, क्योंकि 1 किलोग्राम मी = 9.806 6 जूल।

TABLE 173 JOULES TO FOOT POUNDS-FORCE

सारणी 173 जूल से फुट पाउंड-बल में

Based on {
 1 ft = 0.304 8 m
 1 lbf = 0.453 592 4 kgf
 1 kgf = 9.806 65 N

बाधार {
 1 फुट = 0.304 8 मी
 1 पाउंड = 0.453 592 4 किलोग्राम
 1 किलोग्राम = 9.806 65 न्यूटन

Joules जूल	0	1	2	3	4	5	6	7	8	9
	Foot pounds-force (ft lbf)									
	फुट पाउंड-बल (फुट पाउंड)									
0	0	0.737 56	1.475 12	2.212 69	2.950 25	3.687 81	4.425 37	5.162 9	5.900 5	6.638 1
10	7.375 6	8.113 2	8.850 7	9.588 3	10.325 9	11.063 4	11.801 0	12.538 6	13.276 1	14.013
20	14.751 2	15.488 8	16.226 4	16.963 9	17.701 5	18.439 1	19.176 6	19.914 2	20.651 7	21.389 3
30	22.126 9	22.864 4	23.602 0	24.339 5	25.077 1	25.814 7	26.552 2	27.289 8	28.027 4	28.764 5
40	29.502 5	30.240 0	30.977 6	31.715 2	32.452 7	33.190 3	33.927 9	34.665 4	35.403 0	36.140 9
50	36.878 1	37.615 7	38.353 2	39.090 8	39.828 4	40.565 9	41.303 5	42.041 0	42.778 6	43.516 2
60	44.253 7	44.991 3	45.728 9	46.466 4	47.204 0	47.941 5	48.679 1	49.416 7	50.154	50.892
70	51.629	52.367	53.104	53.842	54.580	55.317	56.055	56.792	57.530	58.267
80	59.005	59.743	60.480	61.218	61.955	62.693	63.430	64.168	64.905	65.643
90	66.381	67.118	67.856	68.593	69.331	70.068	70.806	71.544	72.281	73.019
100	73.756	74.494	75.231	75.969	76.706	77.444	78.182	78.919	79.657	80.394
110	81.132	81.869	82.607	83.345	84.082	84.820	85.557	86.295	87.032	87.770
120	88.507	89.245	89.983	90.720	91.458	92.195	92.933	93.670	94.408	95.146
130	95.883	96.621	97.358	98.096	98.833	99.571	100.308	101.046	101.784	102.521
140	103.259	103.996	104.734	105.471	106.209	106.947	107.684	108.422	109.159	109.897
150	110.634	111.372	112.109	112.847	113.585	114.322	115.060	115.797	116.535	117.272
160	118.010	118.747	119.485	120.223	120.960	121.698	122.435	123.173	123.910	124.648
170	125.386	126.123	126.861	127.598	128.336	129.073	129.811	130.548	131.286	132.024
180	132.761	133.499	134.236	134.974	135.711	136.449	137.187	137.924	138.662	139.399
190	140.137	140.874	141.612	142.349	143.087	143.825	144.562	145.300	146.037	146.775
200	147.512	148.250	148.988	149.725	150.463	151.200	151.938	152.675	153.413	154.150
210	154.888	155.626	156.363	157.101	157.838	158.576	159.313	160.051	160.789	161.526
220	162.264	163.001	163.739	164.476	165.214	165.951	166.689	167.427	168.164	168.902
230	169.639	170.377	171.114	171.852	172.590	173.327	174.065	174.802	175.540	176.277
240	177.015	177.752	178.490	179.228	179.965	180.703	181.440	182.178	182.915	183.653
250	184.391	185.128	185.866	186.603	187.341	188.078	188.816	189.553	190.291	191.029
260	191.766	192.504	193.241	193.979	194.716	195.454	196.192	196.929	197.667	198.404
270	199.142	199.879	200.617	201.354	202.092	202.830	203.567	204.305	205.042	205.780
280	206.517	207.255	207.993	208.730	209.468	210.205	210.943	211.680	212.418	213.155
290	213.893	214.631	215.368	216.106	216.843	217.581	218.318	219.056	219.794	220.531
300	221.269	222.006	222.744	223.481	224.219	224.956	225.694	226.432	227.169	227.907
310	228.644	229.382	230.119	230.857	231.594	232.332	233.070	233.807	234.545	235.282
320	236.020	236.757	237.495	238.233	238.970	239.708	240.445	241.183	241.920	242.658
330	243.395	244.133	244.871	245.608	246.346	247.083	247.821	248.558	249.296	250.034
340	250.771	251.509	252.246	252.984	253.721	254.459	255.196	255.934	256.672	257.409
350	258.147	258.885	259.622	260.359	261.097	261.835	262.572	263.310	264.047	264.785
360	265.522	266.260	266.997	267.735	268.473	269.210	269.948	270.685	271.423	272.160
370	272.898	273.636	274.373	275.111	275.848	276.586	277.323	278.061	278.798	279.536
380	280.274	281.011	281.749	282.486	283.224	283.961	284.699	285.437	286.174	286.912
390	287.649	288.387	289.124	289.862	290.599	291.337	292.075	292.812	293.550	294.287
400	295.025	295.762	296.500	297.238	297.975	298.713	299.450	300.188	300.925	301.663
410	302.400	303.138	303.876	304.613	305.351	306.088	306.826	307.563	308.301	309.039
420	309.776	310.514	311.251	311.989	312.726	313.464	314.201	314.939	315.677	316.414
430	317.152	317.889	318.627	319.364	320.102	320.840	321.577	322.315	323.052	323.790
440	324.527	325.265	326.002	326.740	327.478	328.215	328.953	329.690	330.428	331.165
450	331.903	332.641	333.378	334.116	334.853	335.591	336.328	337.066	337.803	338.541
460	339.279	340.016	340.754	341.491	342.229	342.966	343.704	344.442	345.179	345.917
470	346.654	347.392	348.129	348.867	349.604	350.342	351.080	351.817	352.555	353.292
480	354.030	354.767	355.505	356.242	356.980	357.718	358.455	359.193	359.930	360.668
490	361.405	362.143	362.881	363.618	364.356	365.093	365.831	366.568	367.306	368.043
500	368.781	369.519	370.256	370.994	371.731	372.469	373.206	373.944	374.682	375.419

(Continued)

TABLE 173 JOULES TO FOOT POUNDS-FORCE

— Contd

सारणी 173 जूल से फुट पाउंड-बल में — जारी

Joules जूल	0	1	2	3	4	5	6	7	8	9
	Foot pounds-force (ft lbf)						फुट पाउंड-बल (फुट पाउंड)			
510	376.157	376.894	377.632	378.369	379.107	379.844	380.582	381.320	382.057	382.795
520	383.532	384.270	385.007	385.745	386.483	387.220	387.958	388.695	389.433	390.170
530	390.908	391.645	392.383	393.121	393.858	394.596	395.333	396.071	396.808	397.546
540	398.284	399.021	399.759	400.496	401.234	401.971	402.709	403.446	404.184	404.922
550	405.659	406.397	407.134	407.872	408.609	409.347	410.085	410.822	411.560	412.297
560	413.035	413.772	414.510	415.247	415.985	416.723	417.460	418.198	418.935	419.673
570	420.410	421.148	421.886	422.623	423.361	424.098	424.836	425.573	426.311	427.048
580	427.786	428.524	429.261	429.999	430.736	431.474	432.211	432.949	433.687	434.424
590	435.162	435.899	436.637	437.374	438.112	438.849	439.587	440.325	441.062	441.800
600	442.537	443.275	444.012	444.750	445.488	446.225	446.963	447.700	448.438	449.175
610	449.913	450.650	451.388	452.126	452.863	453.601	454.338	455.076	455.813	456.551
620	457.289	458.026	458.764	459.501	460.239	460.976	461.714	462.451	463.189	463.927
630	464.664	465.402	466.139	466.877	467.614	468.352	469.089	469.827	470.565	471.302
640	472.040	472.777	473.515	474.252	474.990	475.728	476.465	477.203	477.940	478.678
650	479.415	480.153	480.890	481.628	482.366	483.103	483.841	484.578	485.316	486.053
660	486.791	487.529	488.266	489.004	489.741	490.479	491.216	491.954	492.691	493.429
670	494.167	494.904	495.642	496.379	497.117	497.854	498.592	499.330	500.067	500.805
680	501.54	502.28	503.02	503.75	504.49	505.23	505.97	506.71	507.44	508.18
690	508.92	509.66	510.39	511.13	511.87	512.61	513.34	514.08	514.82	515.56
700	516.29	517.03	517.77	518.51	519.24	519.98	520.72	521.46	522.19	522.93
710	523.67	524.41	525.14	525.88	526.62	527.36	528.09	528.83	529.57	530.31
720	531.04	531.78	532.52	533.26	533.99	534.73	535.47	536.21	536.95	537.68
730	538.42	539.16	539.90	540.63	541.37	542.11	542.85	543.58	544.32	545.06
740	545.80	546.53	547.27	548.01	548.75	549.48	550.22	550.96	551.70	552.43
750	553.17	553.91	554.65	555.38	556.12	556.86	557.60	558.33	559.07	559.81
760	560.55	561.28	562.02	562.76	563.50	564.24	564.97	565.71	566.45	567.19
770	567.92	568.66	569.40	570.14	570.87	571.61	572.35	573.09	573.82	574.56
780	575.30	576.04	576.77	577.51	578.25	578.99	579.72	580.46	581.20	581.94
790	582.67	583.41	584.15	584.89	585.62	586.36	587.10	587.84	588.57	589.31
800	590.05	590.79	591.52	592.26	593.00	593.74	594.48	595.21	595.95	596.69
810	597.43	598.16	598.90	599.64	600.38	601.11	601.85	602.59	603.33	604.06
820	604.80	605.54	606.28	607.01	607.75	608.48	609.22	609.96	610.70	611.44
830	612.18	612.91	613.65	614.39	615.13	615.86	616.60	617.34	618.08	618.81
840	619.55	620.29	621.03	621.76	622.50	623.24	623.98	624.72	625.45	626.19
850	626.93	627.67	628.40	629.14	629.88	630.62	631.35	632.09	632.83	633.57
860	634.30	635.04	635.78	636.52	637.25	637.99	638.73	639.47	640.20	640.94
870	641.68	642.42	643.15	643.89	644.63	645.37	646.10	646.84	647.58	648.32
880	649.05	649.79	650.53	651.27	652.00	652.74	653.48	654.22	654.96	655.69
890	656.43	657.17	657.91	658.64	659.38	660.12	660.86	661.59	662.33	663.07
900	663.81	664.54	665.28	666.02	666.76	667.49	668.23	668.97	669.71	670.44
910	671.18	671.92	672.66	673.39	674.13	674.87	675.61	676.34	677.08	677.82
920	678.56	679.29	680.03	680.77	681.51	682.24	682.98	683.72	684.46	685.20
930	685.93	686.67	687.41	688.15	688.88	689.62	690.36	691.10	691.83	692.57
940	693.31	694.05	694.78	695.52	696.26	697.00	697.73	698.47	699.21	699.95
950	700.68	701.42	702.16	702.90	703.63	704.37	705.11	705.85	706.58	707.32
960	708.06	708.80	709.53	710.27	711.01	711.75	712.48	713.22	713.96	714.70
970	715.44	716.17	716.91	717.65	718.39	719.12	719.86	720.60	721.34	722.07
980	722.81	723.55	724.29	725.02	725.76	726.50	727.24	727.97	728.71	729.45
990	730.19	730.92	731.66	732.40	733.14	733.87	734.61	735.35	736.09	736.82
1000	737.56									

NOTE — For converting joules to kilograms-force metre, use Table 153 directly since 1 J = 0.101 972 kgf m.

नोट — जूल से किलोग्राम-बल मीटर में परिवर्तन करने के लिए सारणी 153 को ज्यों का त्यों काम में लाइए, क्योंकि 1 जूल = 0.101 972 किग्रा मी.

TABLE 174 KILOWATT HOURS TO MEGAJOULES

सारणी 174 किलोवाट घंटा से मेगाजूल में

Based on { 1 h = 3 600 s
1 W = 1 J/sआधार { 1 घं = 3 600 से
1 वा = 1 जूल/से

Kilowatt Hours किलोवाट घंटा	0	1	2	3	4	5	6	7	8	9
	Megajoules (MJ)					मेगाजूल (मेजूल)				
0	0	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8	32.4
10	36.0	39.6	43.2	46.8	50.4	54.0	57.6	61.2	64.8	68.4
20	72.0	75.6	79.2	82.8	86.4	90.0	93.6	97.2	100.8	104.4
30	108.0	111.6	115.2	118.8	122.4	126.0	129.6	133.2	136.8	140.4
40	144.0	147.6	151.2	154.8	158.4	162.0	165.6	169.2	172.8	176.4
50	180.0	183.6	187.2	190.8	194.4	198.0	201.6	205.2	208.8	212.4
60	216.0	219.6	223.2	226.8	230.4	234.0	237.6	241.2	244.8	248.4
70	252.0	255.6	259.2	262.8	266.4	270.0	273.6	277.2	280.8	284.4
80	288.0	291.6	295.2	298.8	302.4	306.0	309.6	313.2	316.8	320.4
90	324.0	327.6	331.2	334.8	338.4	342.0	345.6	349.2	352.8	356.4
100	360.0	363.6	367.2	370.8	374.4	378.0	381.6	385.2	388.8	392.4
110	396.0	399.6	403.2	406.8	410.4	414.0	417.6	421.2	424.8	428.4
120	432.0	435.6	439.2	442.8	446.4	450.0	453.6	457.2	460.8	464.4
130	468.0	471.6	475.2	478.8	482.4	486.0	489.6	493.2	496.8	500.4
140	504.0	507.6	511.2	514.8	518.4	522.0	525.6	529.2	532.8	536.4
150	540.0	543.6	547.2	550.8	554.4	558.0	561.6	565.2	568.8	572.4
160	576.0	579.6	583.2	586.8	590.4	594.0	597.6	601.2	604.8	608.4
170	612.0	615.6	619.2	622.8	626.4	630.0	633.6	637.2	640.8	644.4
180	648.0	651.6	655.2	658.8	662.4	666.0	669.6	673.2	676.8	680.4
190	684.0	687.6	691.2	694.8	698.4	702.0	705.6	709.2	712.8	716.4
200	720.0	723.6	727.2	730.8	734.4	738.0	741.6	745.2	748.8	752.4
210	756.0	759.6	763.2	766.8	770.4	774.0	777.6	781.2	784.8	788.4
220	792.0	795.6	799.2	802.8	806.4	810.0	813.6	817.2	820.8	824.4
230	828.0	831.6	835.2	838.8	842.4	846.0	849.6	853.2	856.8	860.4
240	864.0	867.6	871.2	874.8	878.4	882.0	885.6	889.2	892.8	896.4
250	900.0	903.6	907.2	910.8	914.4	918.0	921.6	925.2	928.8	932.4
260	936.0	939.6	943.2	946.8	950.4	954.0	957.6	961.2	964.8	968.4
270	972.0	975.6	979.2	982.8	986.4	990.0	993.6	997.2	1 000.8	1 004.4
280	1 008.0	1 011.6	1 015.2	1 018.8	1 022.4	1 026.0	1 029.6	1 033.2	1 036.8	1 040.4
290	1 044.0	1 047.6	1 051.2	1 054.8	1 058.4	1 062.0	1 065.6	1 069.2	1 072.8	1 076.4
300	1 080.0	1 083.6	1 087.2	1 090.8	1 094.4	1 098.0	1 101.6	1 105.2	1 108.8	1 112.4
310	1 116.0	1 119.6	1 123.2	1 126.8	1 130.4	1 134.0	1 137.6	1 141.2	1 144.8	1 148.4
320	1 152.0	1 155.6	1 159.2	1 162.8	1 166.4	1 170.0	1 173.6	1 177.2	1 180.8	1 184.4
330	1 188.0	1 191.6	1 195.2	1 198.8	1 202.4	1 206.0	1 209.6	1 213.2	1 216.8	1 220.4
340	1 224.0	1 227.6	1 231.2	1 234.8	1 238.4	1 242.0	1 245.6	1 249.2	1 252.8	1 256.4
350	1 260.0	1 263.6	1 267.2	1 270.8	1 274.4	1 278.0	1 281.6	1 285.2	1 288.8	1 292.4
360	1 296.0	1 299.6	1 303.2	1 306.8	1 310.4	1 314.0	1 317.6	1 321.2	1 324.8	1 328.4
370	1 332.0	1 335.6	1 339.2	1 342.8	1 346.4	1 350.0	1 353.6	1 357.2	1 360.8	1 364.4
380	1 368.0	1 371.6	1 375.2	1 378.8	1 382.4	1 386.0	1 389.6	1 393.2	1 396.8	1 400.4
390	1 404.0	1 407.6	1 411.2	1 414.8	1 418.4	1 422.0	1 425.6	1 429.2	1 432.8	1 436.4
400	1 440.0	1 443.6	1 447.2	1 450.8	1 454.4	1 458.0	1 461.6	1 465.2	1 468.8	1 472.4
410	1 476.0	1 479.6	1 483.2	1 486.8	1 490.4	1 494.0	1 497.6	1 501.2	1 504.8	1 508.4
420	1 512.0	1 515.6	1 519.2	1 522.8	1 526.4	1 530.0	1 533.6	1 537.2	1 540.8	1 544.4
430	1 548.0	1 551.6	1 555.2	1 558.8	1 562.4	1 566.0	1 569.6	1 573.2	1 576.8	1 580.4
440	1 584.0	1 587.6	1 591.2	1 594.8	1 598.4	1 602.0	1 605.6	1 609.2	1 612.8	1 616.4
450	1 620.0	1 623.6	1 627.2	1 630.8	1 634.4	1 638.0	1 641.6	1 645.2	1 648.8	1 652.4
460	1 656.0	1 659.6	1 663.2	1 666.8	1 670.4	1 674.0	1 677.6	1 681.2	1 684.8	1 688.4
470	1 692.0	1 695.6	1 699.2	1 702.8	1 706.4	1 710.0	1 713.6	1 717.2	1 720.8	1 724.4
480	1 728.0	1 731.6	1 735.2	1 738.8	1 742.4	1 746.0	1 749.6	1 753.2	1 756.8	1 760.4
490	1 764.0	1 767.6	1 771.2	1 774.8	1 778.4	1 782.0	1 785.6	1 789.2	1 792.8	1 796.4
500	1 800.0	1 803.6	1 807.2	1 810.8	1 814.4	1 818.0	1 821.6	1 825.2	1 828.8	1 832.4

(Continued)

TABLE 174 KILOWATT HOURS TO MEGAJOULES
— Contd

सारणी 174 किलोवाट घंटा से मेगाजूल में — जारी

Kilowatt Hours किलोवाट घंटा	0	1	2	3	4	5	6	7	8	9
	Megajoules (MJ)					मेगाजूल (मेजूल)				
510	1836.0	1839.6	1843.2	1846.8	1850.4	1854.0	1857.6	1861.2	1864.8	1868.4
520	1872.0	1875.6	1879.2	1882.8	1886.4	1890.0	1893.6	1897.2	1900.8	1904.4
530	1908.0	1911.6	1915.2	1918.8	1922.4	1926.0	1929.6	1933.2	1936.8	1940.4
540	1944.0	1947.6	1951.2	1954.8	1958.4	1962.0	1965.6	1969.2	1972.8	1976.4
550	1980.0	1983.6	1987.2	1990.8	1994.4	1998.0	2001.6	2005.2	2008.8	2012.4
560	2016.0	2019.6	2023.2	2026.8	2030.4	2034.0	2037.6	2041.2	2044.8	2048.4
570	2052.0	2055.6	2059.2	2062.8	2066.4	2070.0	2073.6	2077.2	2080.8	2084.4
580	2088.0	2091.6	2095.2	2098.8	2102.4	2106.0	2109.6	2113.2	2116.8	2120.4
590	2124.0	2127.6	2131.2	2134.8	2138.4	2142.0	2145.6	2149.2	2152.8	2156.4
600	2160.0	2163.6	2167.2	2170.8	2174.4	2178.0	2181.6	2185.2	2188.8	2192.4
610	2196.0	2199.6	2203.2	2206.8	2210.4	2214.0	2217.6	2221.2	2224.8	2228.4
620	2232.0	2235.6	2239.2	2242.8	2246.4	2250.0	2253.6	2257.2	2260.8	2264.4
630	2268.0	2271.6	2275.2	2278.8	2282.4	2286.0	2289.6	2293.2	2296.8	2300.4
640	2304.0	2307.6	2311.2	2314.8	2318.4	2322.0	2325.6	2329.2	2332.8	2336.4
650	2340.0	2343.6	2347.2	2350.8	2354.4	2358.0	2361.6	2365.2	2368.8	2372.4
660	2376.0	2379.6	2383.2	2386.8	2390.4	2394.0	2397.6	2401.2	2404.8	2408.4
670	2412.0	2415.6	2419.2	2422.8	2426.4	2430.0	2433.6	2437.2	2440.8	2444.4
680	2448.0	2451.6	2455.2	2458.8	2462.4	2466.0	2469.6	2473.2	2476.8	2480.4
690	2484.0	2487.6	2491.2	2494.8	2498.4	2502.0	2505.6	2509.2	2512.8	2516.4
700	2520.0	2523.6	2527.2	2530.8	2534.4	2538.0	2541.6	2545.2	2548.8	2552.4
710	2556.0	2559.6	2563.2	2566.8	2570.4	2574.0	2577.6	2581.2	2584.8	2588.4
720	2592.0	2595.6	2599.2	2602.8	2606.4	2610.0	2613.6	2617.2	2620.8	2624.4
730	2628.0	2631.6	2635.2	2638.8	2642.4	2646.0	2649.6	2653.2	2656.8	2660.4
740	2664.0	2667.6	2671.2	2674.8	2678.4	2682.0	2685.6	2689.2	2692.8	2696.4
750	2700.0	2703.6	2707.2	2710.8	2714.4	2718.0	2721.6	2725.2	2728.8	2732.4
760	2736.0	2739.6	2743.2	2746.8	2750.4	2754.0	2757.6	2761.2	2764.8	2768.4
770	2772.0	2775.6	2779.2	2782.8	2786.4	2790.0	2793.6	2797.2	2800.8	2804.4
780	2808.0	2811.6	2815.2	2818.8	2822.4	2826.0	2829.6	2833.2	2836.8	2840.4
790	2844.0	2847.6	2851.2	2854.8	2858.4	2862.0	2865.6	2869.2	2872.8	2876.4
800	2880.0	2883.6	2887.2	2890.8	2894.4	2898.0	2901.6	2905.2	2908.8	2912.4
810	2916.0	2919.6	2923.2	2926.8	2930.4	2934.0	2937.6	2941.2	2944.8	2948.4
820	2952.0	2955.6	2959.2	2962.8	2966.4	2970.0	2973.6	2977.2	2980.8	2984.4
830	2988.0	2991.6	2995.2	2998.8	3002.4	3006.0	3009.6	3013.2	3016.8	3020.4
840	3024.0	3027.6	3031.2	3034.8	3038.4	3042.0	3045.6	3049.2	3052.8	3056.4
850	3060.0	3063.6	3067.2	3070.8	3074.4	3078.0	3081.6	3085.2	3088.8	3092.4
860	3096.0	3099.6	3103.2	3106.8	3110.4	3114.0	3117.6	3121.2	3124.8	3128.4
870	3132.0	3135.6	3139.2	3142.8	3146.4	3150.0	3153.6	3157.2	3160.8	3164.4
880	3168.0	3171.6	3175.2	3178.8	3182.4	3186.0	3189.6	3193.2	3196.8	3200.4
890	3204.0	3207.6	3211.2	3214.8	3218.4	3222.0	3225.6	3229.2	3232.8	3236.4
900	3240.0	3243.6	3247.2	3250.8	3254.4	3258.0	3261.6	3265.2	3268.8	3272.4
910	3276.0	3279.6	3283.2	3286.8	3290.4	3294.0	3297.6	3301.2	3304.8	3308.4
920	3312.0	3315.6	3319.2	3322.8	3326.4	3330.0	3333.6	3337.2	3340.8	3344.4
930	3348.0	3351.6	3355.2	3358.8	3362.4	3366.0	3369.6	3373.2	3376.8	3380.4
940	3384.0	3387.6	3391.2	3394.8	3398.4	3402.0	3405.6	3409.2	3412.8	3416.4
950	3420.0	3423.6	3427.2	3430.8	3434.4	3438.0	3441.6	3445.2	3448.8	3452.4
960	3456.0	3459.6	3463.2	3466.8	3470.4	3474.0	3477.6	3481.2	3484.8	3488.4
970	3492.0	3495.6	3499.2	3502.8	3506.4	3510.0	3513.6	3517.2	3520.8	3524.4
980	3528.0	3531.6	3535.2	3538.8	3542.4	3546.0	3549.6	3553.2	3556.8	3560.4
990	3564.0	3567.6	3571.2	3574.8	3578.4	3582.0	3585.6	3589.2	3592.8	3596.4
1 000	3600.0									

TABLE 175 MEGAJOULES TO KILOWATT HOURS

Based on $\begin{cases} 1 \text{ h} = 3\,600 \text{ s} \\ 1 \text{ W} = 1 \text{ J/s} \end{cases}$

सारणी 175 मेगाजूल से किलोवाट घंटा में
आधार $\begin{cases} 1 \text{ घ} = 3\,600 \text{ से} \\ 1 \text{ वा} = 1 \text{ जूल/से} \end{cases}$

Mega-joules मेगाजूल	0	1	2	3	4	5	6	7	8	9
	Kilowatt Hours (kWh)									
	किलोवाट घंटा (किवाघ)									
0	0	0.277 778	0.555 56	0.833 33	1.111 11	1.388 89	1.666 67	1.944 44	2.222 22	2.500 00
10	2.777 78	3.055 56	3.333 33	3.611 11	3.888 89	4.166 67	4.444 44	4.722 22	5.000 0	5.277 8
20	5.555 6	5.833 3	6.111 1	6.388 9	6.666 7	6.944 4	7.222 2	7.500 0	7.777 8	8.055 6
30	8.333 3	8.611 1	8.888 9	9.166 7	9.444 4	9.722 2	10.000 0	10.277 8	10.555 6	10.833 3
40	11.111 1	11.388 9	11.666 7	11.944 4	12.222 2	12.500 0	12.777 8	13.055 6	13.333 3	13.611 1
50	13.888 9	14.166 7	14.444 4	14.722 2	15.000 0	15.277 8	15.555 6	15.833 3	16.111 1	16.388 9
60	16.666 7	16.944 4	17.222 2	17.500 0	17.777 8	18.055 6	18.333 3	18.611 1	18.888 9	19.166 7
70	19.444 4	19.722 2	20.000 0	20.277 8	20.555 6	20.833 3	21.111 1	21.388 9	21.666 7	21.944 4
80	22.222 2	22.500 0	22.777 8	23.055 6	23.333 3	23.611 1	23.888 9	24.166 7	24.444 4	24.722 2
90	25.000 0	25.277 8	25.555 6	25.833 3	26.111 1	26.388 9	26.666 7	26.944 4	27.222 2	27.500 0
100	27.777 8	28.055 6	28.333 3	28.611 1	28.888 9	29.166 7	29.444 4	29.722 2	30.000 0	30.277 8
110	30.555 6	30.833 3	31.111 1	31.388 9	31.666 7	31.944 4	32.222 2	32.500 0	32.777 8	33.055 6
120	33.333 3	33.611 1	33.888 9	34.166 7	34.444 4	34.722 2	35.000 0	35.277 8	35.555 6	35.833 3
130	36.111 1	36.388 9	36.666 7	36.944 4	37.222 2	37.500 0	37.777 8	38.055 6	38.333 3	38.611 1
140	38.888 9	39.166 7	39.444 4	39.722 2	40.000 0	40.277 8	40.555 6	40.833 3	41.111 1	41.388 9
150	41.666 7	41.944 4	42.222 2	42.500 0	42.777 8	43.055 6	43.333 3	43.611 1	43.888 9	44.166 7
160	44.444 4	44.722 2	45.000 0	45.277 8	45.555 6	45.833 3	46.111 1	46.388 9	46.666 7	46.944 4
170	47.222 2	47.500 0	47.777 8	48.055 6	48.333 3	48.611 1	48.888 9	49.166 7	49.444 4	49.722 2
180	50.000 0	50.278	50.556	50.833	51.111	51.389	51.667	51.944	52.222	52.500
190	52.778	53.056	53.333	53.611	53.889	54.167	54.444	54.722	55.000	55.278
200	55.556	55.833	56.111	56.389	56.667	56.944	57.222	57.500	57.778	58.056
210	58.333	58.611	58.889	59.167	59.444	59.722	60.000	60.278	60.556	60.833
220	61.111	61.389	61.667	61.944	62.222	62.500	62.778	63.056	63.333	63.611
230	63.889	64.167	64.444	64.722	65.000	65.278	65.556	65.833	66.111	66.389
240	66.667	66.944	67.222	67.500	67.778	68.056	68.333	68.611	68.889	69.167
250	69.444	69.722	70.000	70.278	70.556	70.833	71.111	71.389	71.667	71.944
260	72.222	72.500	72.778	73.056	73.333	73.611	73.889	74.167	74.444	74.722
270	75.000	75.278	75.556	75.833	76.111	76.389	76.667	76.944	77.222	77.500
280	77.778	78.056	78.333	78.611	78.889	79.167	79.444	79.722	80.000	80.278
290	80.556	80.833	81.111	81.389	81.667	81.944	82.222	82.500	82.778	83.056
300	83.333	83.611	83.889	84.167	84.444	84.722	85.000	85.278	85.556	85.833
310	86.111	86.389	86.667	86.944	87.222	87.500	87.778	88.056	88.333	88.611
320	88.889	89.167	89.444	89.722	90.000	90.278	90.556	90.833	91.111	91.389
330	91.667	91.944	92.222	92.500	92.778	93.056	93.333	93.611	93.889	94.167
340	94.444	94.722	95.000	95.278	95.556	95.833	96.111	96.389	96.667	96.944
350	97.222	97.500	97.778	98.056	98.333	98.611	98.889	99.167	99.444	99.722
360	100.000	100.278	100.556	100.833	101.111	101.389	101.667	101.944	102.222	102.500
370	102.778	103.056	103.333	103.611	103.889	104.167	104.444	104.722	105.000	105.278
380	105.556	105.833	106.111	106.389	106.667	106.944	107.222	107.500	107.778	108.056
390	108.333	108.611	108.889	109.167	109.444	109.722	110.000	110.278	110.556	110.833
400	111.111	111.389	111.667	111.944	112.222	112.500	112.778	113.056	113.333	113.611
410	113.889	114.167	114.444	114.722	115.000	115.278	115.556	115.833	116.111	116.389
420	116.667	116.944	117.222	117.500	117.778	118.056	118.333	118.611	118.889	119.167
430	119.444	119.722	120.000	120.278	120.556	120.833	121.111	121.389	121.667	121.944
440	122.222	122.500	122.778	123.056	123.333	123.611	123.889	124.167	124.444	124.722
450	125.000	125.278	125.556	125.833	126.111	126.389	126.667	126.944	127.222	127.500
460	127.778	128.056	128.333	128.611	128.889	129.167	129.444	129.722	130.000	130.278
470	130.556	130.833	131.111	131.389	131.667	131.944	132.222	132.500	132.778	133.056
480	133.333	133.611	133.889	134.167	134.444	134.722	135.000	135.278	135.556	135.833
490	136.111	136.389	136.667	136.944	137.222	137.500	137.778	138.056	138.333	138.611
500	138.889	139.167	139.444	139.722	140.000	140.278	140.556	140.833	141.111	141.389

(Continued)

TABLE 175 MEGAJOULES TO KILOWATT HOURS
— Contd

सारणी 175 मेगाजूल से किलोवाट घंटा में — जारी

Megajoules मेगाजूल	0	1	2	3	4	5	6	7	8	9
	Kilowatt hours (kWh)					किलोवाट घंटा (किवाघं)				
510	141.667	141.944	142.222	142.500	142.778	143.056	143.333	143.611	143.889	144.167
520	144.444	144.722	145.000	145.278	145.556	145.833	146.111	146.389	146.667	146.944
530	147.222	147.500	147.778	148.056	148.333	148.611	148.889	149.167	149.444	149.722
540	150.000	150.278	150.556	150.833	151.111	151.389	151.667	151.944	152.222	152.500
550	152.778	153.056	153.333	153.611	153.889	154.167	154.444	154.722	155.000	155.278
560	155.556	155.833	156.111	156.389	156.667	156.944	157.222	157.500	157.778	158.056
570	158.333	158.611	158.889	159.167	159.444	159.722	160.000	160.278	160.556	160.833
580	161.111	161.389	161.667	161.944	162.222	162.500	162.778	163.056	163.333	163.611
590	163.889	164.167	164.444	164.722	165.000	165.278	165.556	165.833	166.111	166.389
600	166.667	166.944	167.222	167.500	167.778	168.056	168.333	168.611	168.889	169.167
610	169.444	169.722	170.000	170.278	170.556	170.833	171.111	171.389	171.667	171.944
620	172.222	172.500	172.778	173.056	173.333	173.611	173.889	174.167	174.444	174.722
630	175.000	175.278	175.556	175.833	176.111	176.389	176.667	176.944	177.222	177.500
640	177.778	178.056	178.333	178.611	178.889	179.167	179.444	179.722	180.000	180.278
650	180.556	180.833	181.111	181.389	181.667	181.944	182.222	182.500	182.778	183.056
660	183.333	183.611	183.889	184.167	184.444	184.722	185.000	185.278	185.556	185.833
670	186.111	186.389	186.667	186.944	187.222	187.500	187.778	188.056	188.333	188.611
680	188.889	189.167	189.444	189.722	190.000	190.278	190.556	190.833	191.111	191.389
690	191.667	191.944	192.222	192.500	192.778	193.056	193.333	193.611	193.889	194.167
700	194.444	194.722	195.000	195.278	195.556	195.833	196.111	196.389	196.667	196.944
710	197.222	197.500	197.778	198.056	198.333	198.611	198.889	199.167	199.444	199.722
720	200.000	200.278	200.556	200.833	201.111	201.389	201.667	201.944	202.222	202.500
730	202.778	203.056	203.333	203.611	203.889	204.167	204.444	204.722	205.000	205.278
740	205.556	205.833	206.111	206.389	206.667	206.944	207.222	207.500	207.778	208.056
750	208.333	208.611	208.889	209.167	209.444	209.722	210.000	210.278	210.556	210.833
760	211.111	211.389	211.667	211.944	212.222	212.500	212.778	213.056	213.333	213.611
770	213.889	214.167	214.444	214.722	215.000	215.278	215.556	215.833	216.111	216.389
780	216.667	216.944	217.222	217.500	217.778	218.056	218.333	218.611	218.889	219.167
790	219.444	219.722	220.000	220.278	220.556	220.833	221.111	221.389	221.667	221.944
800	222.222	222.500	222.778	223.056	223.333	223.611	223.889	224.167	224.444	224.722
810	225.000	225.278	225.556	225.833	226.111	226.389	226.667	226.944	227.222	227.500
820	227.778	228.056	228.333	228.611	228.889	229.167	229.444	229.722	230.000	230.278
830	230.556	230.833	231.111	231.389	231.667	231.944	232.222	232.500	232.778	233.056
840	233.333	233.611	233.889	234.167	234.444	234.722	235.000	235.278	235.556	235.833
850	236.111	236.389	236.667	236.944	237.222	237.500	237.778	238.056	238.333	238.611
860	238.889	239.167	239.444	239.722	240.000	240.278	240.556	240.833	241.111	241.389
870	241.667	241.944	242.222	242.500	242.778	243.056	243.333	243.611	243.889	244.167
880	244.444	244.722	245.000	245.278	245.556	245.833	246.111	246.389	246.667	246.944
890	247.222	247.500	247.778	248.056	248.333	248.611	248.889	249.167	249.444	249.722
900	250.000	250.278	250.556	250.833	251.111	251.389	251.667	251.944	252.222	252.500
910	252.778	253.056	253.333	253.611	253.889	254.167	254.444	254.722	255.000	255.278
920	255.556	255.833	256.111	256.389	256.667	256.944	257.222	257.500	257.778	258.056
930	258.333	258.611	258.889	259.167	259.444	259.722	260.000	260.278	260.556	260.833
940	261.111	261.389	261.667	261.944	262.222	262.500	262.778	263.056	263.333	263.611
950	263.889	264.167	264.444	264.722	265.000	265.278	265.556	265.833	266.111	266.389
960	266.667	266.944	267.222	267.500	267.778	268.056	268.333	268.611	268.889	269.167
970	269.444	269.722	270.000	270.278	270.556	270.833	271.111	271.389	271.667	271.944
980	272.222	272.500	272.778	273.056	273.333	273.611	273.889	274.167	274.444	274.722
990	275.000	275.278	275.556	275.833	276.111	276.389	276.667	276.944	277.222	277.500
1 000	277.778									

6. QUANTITY OF HEAT

6. ऊष्मा-परिमाण

TABLE 176 BRITISH THERMAL UNITS TO KILOJOULES

सारणी 176 ब्रिटिश ऊष्मा इकाई से किलोजूल में

Based on : 1 Btu = $\frac{5}{9} \times 4.1868 \times 453.5924$ Jआधार : 1 ब्रिटिश ऊष्मा इकाई = $\frac{5}{9} \times 4.1868 \times 453.5924$ जूल

British Thermal Units ब्रिटिश ऊष्मा इकाई	0	100	200	300	400	500	600	700	800	900
	Kilojoules (kJ)									किमोजूल (किलोजूल)
0	0	105.506	211.011	316.517	422.022	527.53	633.03	738.54	844.04	949.55
1 000	1 055.06	1 160.56	1 266.07	1 371.57	1 477.08	1 582.58	1 688.09	1 793.60	1 899.10	2 004.61
2 000	2 110.11	2 215.62	2 321.12	2 426.63	2 532.13	2 637.64	2 743.15	2 848.65	2 954.16	3 059.66
3 000	3 165.17	3 270.67	3 376.18	3 481.68	3 587.19	3 692.70	3 798.20	3 903.71	4 009.21	4 114.72
4 000	4 220.22	4 325.73	4 431.23	4 536.74	4 642.25	4 747.75	4 853.26	4 958.76	5 064.3	5 169.8
5 000	5 275.3	5 380.8	5 486.3	5 591.8	5 697.3	5 802.8	5 908.3	6 013.8	6 119.3	6 224.8
6 000	6 330.3	6 435.8	6 541.3	6 646.9	6 752.4	6 857.9	6 963.4	7 068.9	7 174.4	7 279.9
7 000	7 385.4	7 490.9	7 596.4	7 701.9	7 807.4	7 912.9	8 018.4	8 123.9	8 229.4	8 334.9
8 000	8 440.4	8 546.0	8 651.5	8 757.0	8 862.5	8 968.0	9 073.5	9 179.0	9 284.5	9 390.0
9 000	9 495.5	9 601.0	9 706.5	9 812.0	9 917.5	10 023.0	10 128.5	10 234.0	10 339.5	10 445.1
10 000	10 550.6									

TABLE 177 KILOJOULES TO BRITISH THERMAL UNITS

सारणी 177 किलोजूल से ब्रिटिश ऊष्मा इकाई में

Based on : 1 Btu = $\frac{5}{9} \times 4.1868 \times 453.5924$ Jआधार : 1 ब्रिटिश ऊष्मा इकाई = $\frac{5}{9} \times 4.1868 \times 453.5924$ जूल

Kilojoules किलो-जूल	0	100	200	300	400	500	600	700	800	900
	British Thermal Units (Btu)									ब्रिटिश ऊष्मा इकाई (ब्रिटिश ऊष्मा इकाई)
0	0	94.782	189.563	284.345	379.127	473.909	568.69	663.47	758.25	853.04
1 000	947.82	1 042.60	1 137.38	1 232.16	1 326.94	1 421.73	1 516.51	1 611.29	1 706.07	1 800.85
2 000	1 895.63	1 990.42	2 085.20	2 179.98	2 274.76	2 369.54	2 464.32	2 559.11	2 653.89	2 748.67
3 000	2 843.45	2 938.23	3 033.01	3 127.80	3 222.58	3 317.36	3 412.14	3 506.92	3 601.70	3 696.49
4 000	3 791.27	3 886.05	3 980.83	4 075.61	4 170.40	4 265.18	4 359.96	4 454.74	4 549.52	4 644.30
5 000	4 739.09	4 833.87	4 928.65	5 023.4	5 118.2	5 213.0	5 307.8	5 402.6	5 497.3	5 592.1
6 000	5 686.9	5 781.7	5 876.5	5 971.2	6 066.0	6 160.8	6 255.6	6 350.4	6 445.2	6 539.9
7 000	6 634.7	6 729.5	6 824.3	6 919.1	7 013.8	7 108.6	7 203.4	7 298.2	7 393.0	7 487.8
8 000	7 582.5	7 677.3	7 772.1	7 866.9	7 961.7	8 056.4	8 151.2	8 246.0	8 340.8	8 435.6
9 000	8 530.4	8 625.1	8 719.9	8 814.7	8 909.5	9 004.3	9 099.0	9 193.8	9 288.7	9 383.4
10 000	9 478.2									

TABLE 178 CALORIES TO JOULES

Based on : 1 cal = 4.1868 J

सारणी 178 कैलोरी से जूल में

आधार : 1 कॅ = 4.1868 जूल

Calories कैलोरी	0	10	20	30	40	50	60	70	80	90
	Joules (J)									
	जूल (जूल)									
0	0	41.868	83.736	125.604	167.472	209.340	251.208	293.076	334.944	376.812
100	418.68	460.548	502.42	544.28	586.15	628.02	669.89	711.76	753.62	795.49
200	837.36	879.23	921.10	962.96	1 004.83	1 046.70	1 088.57	1 130.44	1 172.30	1 214.17
300	1 256.04	1 297.91	1 339.78	1 381.64	1 423.51	1 465.38	1 507.25	1 549.12	1 590.98	1 632.85
400	1 674.72	1 716.59	1 758.46	1 800.32	1 842.19	1 884.06	1 925.93	1 967.80	2 009.66	2 051.53
500	2 093.40	2 135.27	2 177.14	2 219.00	2 260.87	2 302.74	2 344.61	2 386.48	2 428.34	2 470.21
600	2 512.08	2 553.95	2 595.82	2 637.68	2 679.55	2 721.42	2 763.29	2 805.16	2 847.02	2 888.89
700	2 930.76	2 972.63	3 014.50	3 056.36	3 098.23	3 140.10	3 181.97	3 223.84	3 265.70	3 307.57
800	3 349.44	3 391.31	3 433.18	3 475.04	3 516.91	3 558.78	3 600.65	3 642.52	3 684.38	3 726.25
900	3 768.12	3 809.99	3 851.86	3 893.72	3 935.59	3 977.46	4 019.33	4 061.20	4 103.06	4 144.93
1 000	4 186.80	4 228.67	4 270.54	4 312.40	4 354.27	4 396.14	4 438.01	4 479.88	4 521.74	4 563.61
1 100	4 605.48	4 647.35	4 689.22	4 731.08	4 772.95	4 814.82	4 856.69	4 898.56	4 940.42	4 982.29
1 200	5 024.2	5 066.0	5 107.9	5 149.8	5 191.6	5 233.5	5 275.4	5 317.2	5 359.1	5 401.0
1 300	5 442.8	5 484.7	5 526.6	5 568.4	5 610.3	5 652.2	5 694.0	5 735.9	5 777.8	5 819.7
1 400	5 861.5	5 903.4	5 945.3	5 987.1	6 029.0	6 070.9	6 112.7	6 154.6	6 196.5	6 238.3
1 500	6 280.2	6 322.1	6 363.9	6 405.8	6 447.7	6 489.5	6 531.4	6 573.3	6 615.1	6 657.0
1 600	6 698.9	6 740.7	6 782.6	6 824.5	6 866.4	6 908.2	6 950.1	6 992.0	7 033.8	7 075.7
1 700	7 117.6	7 159.4	7 201.3	7 243.2	7 285.0	7 326.9	7 368.8	7 410.6	7 452.5	7 494.4
1 800	7 536.2	7 578.1	7 620.0	7 661.8	7 703.7	7 745.6	7 787.4	7 829.3	7 871.2	7 913.1
1 900	7 954.9	7 996.8	8 038.7	8 080.5	8 122.4	8 164.3	8 206.1	8 248.0	8 289.9	8 331.7
2 000	8 373.6	8 415.5	8 457.3	8 499.2	8 541.1	8 582.9	8 624.8	8 666.7	8 708.5	8 750.4
2 100	8 792.3	8 834.1	8 876.0	8 917.9	8 959.8	9 001.6	9 043.5	9 085.4	9 127.2	9 169.1
2 200	9 211.0	9 252.8	9 294.7	9 336.6	9 378.4	9 420.3	9 462.2	9 504.0	9 545.9	9 587.8
2 300	9 629.6	9 671.5	9 713.4	9 755.2	9 797.1	9 839.0	9 880.8	9 922.7	9 964.6	10 006.5
2 400	10 048.3	10 090.2	10 132.1	10 173.9	10 215.8	10 257.7	10 299.5	10 341.4	10 383.3	10 425.1
2 500	10 467.0	10 508.9	10 550.7	10 592.6	10 634.5	10 676.3	10 718.2	10 760.1	10 801.9	10 843.8
2 600	10 885.7	10 927.5	10 969.4	11 011.3	11 053.2	11 095.0	11 136.9	11 178.8	11 220.6	11 262.5
2 700	11 304.4	11 346.2	11 388.1	11 430.0	11 471.8	11 513.7	11 555.6	11 597.4	11 639.3	11 681.2
2 800	11 723.0	11 764.9	11 806.8	11 848.6	11 890.5	11 932.4	11 974.2	12 016.1	12 058.0	12 099.9
2 900	12 141.7	12 183.6	12 225.5	12 267.3	12 309.2	12 351.1	12 392.9	12 434.8	12 476.7	12 518.5
3 000	12 560.4	12 602.3	12 644.1	12 686.0	12 727.9	12 769.7	12 811.6	12 853.5	12 895.3	12 937.2
3 100	12 979.1	13 020.9	13 062.8	13 104.7	13 146.6	13 188.4	13 230.3	13 272.2	13 314.0	13 355.9
3 200	13 397.8	13 439.6	13 481.5	13 523.4	13 565.2	13 607.1	13 649.0	13 690.8	13 732.7	13 774.6
3 300	13 816.4	13 858.3	13 900.2	13 942.0	13 983.9	14 025.8	14 067.6	14 109.5	14 151.4	14 193.3
3 400	14 235.1	14 277.0	14 318.9	14 360.7	14 402.6	14 444.5	14 486.3	14 528.2	14 570.1	14 611.9
3 500	14 653.8	14 695.7	14 737.5	14 779.4	14 821.3	14 863.1	14 905.0	14 946.9	14 988.7	15 030.6
3 600	15 072.5	15 114.3	15 156.2	15 198.1	15 240.0	15 281.8	15 323.7	15 365.6	15 407.4	15 449.3
3 700	15 491.2	15 533.0	15 574.9	15 616.8	15 658.6	15 700.5	15 742.4	15 784.2	15 826.1	15 868.0
3 800	15 909.8	15 951.7	15 993.6	16 035.4	16 077.3	16 119.2	16 161.0	16 202.9	16 244.8	16 286.7
3 900	16 328.5	16 370.4	16 412.3	16 454.1	16 496.0	16 537.9	16 579.7	16 621.6	16 663.5	16 705.3
4 000	16 747.2	16 789.1	16 830.9	16 872.8	16 914.7	16 956.5	16 998.4	17 040.3	17 082.1	17 124.0
4 100	17 165.9	17 207.7	17 249.6	17 291.5	17 333.4	17 375.2	17 417.1	17 459.0	17 500.8	17 542.7
4 200	17 584.6	17 626.4	17 668.3	17 710.2	17 752.0	17 793.9	17 835.8	17 877.6	17 919.5	17 961.4
4 300	18 003.2	18 045.1	18 087.0	18 128.8	18 170.7	18 212.6	18 254.4	18 296.3	18 338.2	18 380.1
4 400	18 421.9	18 463.8	18 505.7	18 547.5	18 589.4	18 631.3	18 673.1	18 715.0	18 756.9	18 798.7
4 500	18 840.6	18 882.5	18 924.3	18 966.2	19 008.1	19 049.9	19 091.8	19 133.7	19 175.5	19 217.4
4 600	19 259.3	19 301.1	19 343.0	19 384.9	19 426.8	19 468.6	19 510.5	19 552.4	19 594.2	19 636.1
4 700	19 678.0	19 719.8	19 761.7	19 803.6	19 845.4	19 887.3	19 929.2	19 971.0	20 012.9	20 054.8
4 800	20 096.6	20 138.5	20 180.4	20 222.2	20 264.1	20 306.0	20 347.8	20 389.7	20 431.6	20 473.5
4 900	20 515.3	20 557.2	20 599.1	20 640.9	20 682.8	20 724.7	20 766.5	20 808.4	20 850.3	20 892.1
5 000	20 934.0	20 975.9	21 017.7	21 059.6	21 101.5	21 143.3	21 185.2	21 227.1	21 268.9	21 310.8

(Continued)

TABLE 178 CALORIES TO JOULES — Contd

कॅलोरी 178 कॅलोरी से जूल में — जारी

Calories कॅलोरी	0	10	20	30	40	50	60	70	80	90
	Joules (J)									जूल (जूल)
5 100	21 352.7	21 394.5	21 436.4	21 478.3	21 520.2	21 562.0	21 603.9	21 645.8	21 687.6	21 729.5
5 200	21 771.4	21 813.2	21 855.1	21 897.0	21 938.8	21 980.7	22 022.6	22 064.4	22 106.3	22 148.2
5 300	22 190.0	22 231.9	22 273.8	22 315.6	22 357.5	22 399.4	22 441.2	22 483.1	22 525.0	22 566.9
5 400	22 608.7	22 650.6	22 692.5	22 734.3	22 776.2	22 818.1	22 859.9	22 901.8	22 943.7	22 985.5
5 500	23 027.4	23 069.3	23 111.1	23 153.0	23 194.9	23 236.7	23 278.6	23 320.5	23 362.3	23 404.2
5 600	23 446.1	23 487.9	23 529.8	23 571.7	23 613.6	23 655.4	23 697.3	23 739.2	23 781.0	23 822.9
5 700	23 864.8	23 906.6	23 948.5	23 990.4	24 032.2	24 074.1	24 116.0	24 157.8	24 199.7	24 241.6
5 800	24 283.4	24 325.3	24 367.2	24 409.0	24 450.9	24 492.8	24 534.6	24 576.5	24 618.4	24 660.3
5 900	24 702.1	24 744.0	24 785.9	24 827.7	24 869.6	24 911.5	24 953.3	24 995.2	25 037.1	25 078.9
6 000	25 120.8	25 162.7	25 204.5	25 246.4	25 288.3	25 330.1	25 372.0	25 413.9	25 455.7	25 497.6
6 100	25 539.5	25 581.3	25 623.2	25 665.1	25 707.0	25 748.8	25 790.7	25 832.6	25 874.4	25 916.3
6 200	25 958.2	26 000.0	26 041.9	26 083.8	26 125.6	26 167.5	26 209.4	26 251.2	26 293.1	26 335.0
6 300	26 376.8	26 418.7	26 460.6	26 502.4	26 544.3	26 586.2	26 628.0	26 669.9	26 711.8	26 753.7
6 400	26 795.5	26 837.4	26 879.3	26 921.1	26 963.0	27 004.9	27 046.7	27 088.6	27 130.5	27 172.3
6 500	27 214.2	27 256.1	27 297.9	27 339.8	27 381.7	27 423.5	27 465.4	27 507.3	27 549.1	27 591.0
6 600	27 632.9	27 674.7	27 716.6	27 758.5	27 800.4	27 842.2	27 884.1	27 926.0	27 967.8	28 009.7
6 700	28 051.6	28 093.4	28 135.3	28 177.2	28 219.0	28 260.9	28 302.8	28 344.6	28 386.5	28 428.4
6 800	28 470.2	28 512.1	28 554.0	28 595.8	28 637.7	28 679.6	28 721.4	28 763.3	28 805.2	28 847.1
6 900	28 888.9	28 930.8	28 972.7	29 014.5	29 056.4	29 098.3	29 140.1	29 182.0	29 223.9	29 265.7
7 000	29 307.6	29 349.5	29 391.3	29 433.2	29 475.1	29 516.9	29 558.8	29 600.7	29 642.5	29 684.4
7 100	29 726.3	29 768.1	29 810.0	29 851.9	29 893.8	29 935.6	29 977.5	30 019.4	30 061.2	30 103.1
7 200	30 145.0	30 186.8	30 228.7	30 270.6	30 312.4	30 354.3	30 396.2	30 438.0	30 479.9	30 521.8
7 300	30 563.6	30 605.5	30 647.4	30 689.2	30 731.1	30 773.0	30 814.8	30 856.7	30 898.6	30 940.5
7 400	30 982.3	31 024.2	31 066.1	31 107.9	31 149.8	31 191.7	31 233.5	31 275.4	31 317.3	31 359.1
7 500	31 401.0	31 442.9	31 484.7	31 526.6	31 568.5	31 610.3	31 652.2	31 694.1	31 735.9	31 777.8
7 600	31 819.7	31 861.5	31 903.4	31 945.3	31 987.2	32 029.0	32 070.9	32 112.8	32 154.6	32 196.5
7 700	32 238.4	32 280.2	32 322.1	32 364.0	32 405.8	32 447.7	32 489.6	32 531.4	32 573.3	32 615.2
7 800	32 657.0	32 698.9	32 740.8	32 782.6	32 824.5	32 866.4	32 908.2	32 950.1	32 992.0	33 033.9
7 900	33 075.7	33 117.6	33 159.5	33 201.3	33 243.2	33 285.1	33 326.9	33 368.8	33 410.7	33 452.5
8 000	33 494.4	33 536.3	33 578.1	33 620.0	33 661.9	33 703.7	33 745.6	33 787.5	33 829.3	33 871.2
8 100	33 913.1	33 954.9	33 996.8	34 038.7	34 080.6	34 122.4	34 164.3	34 206.2	34 248.0	34 289.9
8 200	34 331.8	34 373.6	34 415.5	34 457.4	34 499.2	34 541.1	34 583.0	34 624.8	34 666.7	34 708.6
8 300	34 750.4	34 792.3	34 834.2	34 876.0	34 917.9	34 959.8	35 001.6	35 043.5	35 085.4	35 127.3
8 400	35 169.1	35 211.0	35 252.9	35 294.7	35 336.6	35 378.5	35 420.3	35 462.2	35 504.1	35 545.9
8 500	35 587.8	35 629.7	35 671.5	35 713.4	35 755.3	35 797.1	35 839.0	35 880.9	35 922.7	35 964.6
8 600	36 006.5	36 048.3	36 090.2	36 132.1	36 174.0	36 215.8	36 257.7	36 299.6	36 341.4	36 383.3
8 700	36 425.2	36 467.0	36 508.9	36 550.8	36 592.6	36 634.5	36 676.4	36 718.2	36 760.1	36 802.0
8 800	36 843.8	36 885.7	36 927.6	36 969.4	37 011.3	37 053.2	37 095.0	37 136.9	37 178.8	37 220.7
8 900	37 262.5	37 304.4	37 346.3	37 388.1	37 430.0	37 471.9	37 513.7	37 555.6	37 597.5	37 639.3
9 000	37 681.2	37 723.1	37 764.9	37 806.8	37 848.7	37 890.5	37 932.4	37 974.3	38 016.1	38 058.0
9 100	38 099.9	38 141.7	38 183.6	38 225.5	38 267.4	38 309.2	38 351.1	38 393.0	38 434.8	38 476.7
9 200	38 518.6	38 560.4	38 602.3	38 644.2	38 686.0	38 727.9	38 769.8	38 811.6	38 853.5	38 895.4
9 300	38 937.2	38 979.1	39 021.0	39 062.8	39 104.7	39 146.6	39 188.4	39 230.3	39 272.2	39 314.1
9 400	39 355.9	39 397.8	39 439.7	39 481.5	39 523.4	39 565.3	39 607.1	39 649.0	39 690.9	39 732.7
9 500	39 774.6	39 816.5	39 858.3	39 900.2	39 942.1	39 983.9	40 025.8	40 067.7	40 109.5	40 151.4
9 600	40 193.3	40 235.1	40 277.0	40 318.9	40 360.8	40 402.6	40 444.5	40 486.4	40 528.2	40 570.1
9 700	40 612.0	40 653.8	40 695.7	40 737.6	40 779.4	40 821.3	40 863.2	40 905.0	40 946.9	40 988.8
9 800	41 030.6	41 072.5	41 114.4	41 156.2	41 198.1	41 240.0	41 281.8	41 323.7	41 365.6	41 407.5
9 900	41 449.3	41 491.2	41 533.1	41 574.9	41 616.8	41 658.7	41 700.5	41 742.4	41 784.3	41 826.1
10 000	41 868.0									

TABLE 179 JOULES TO CALORIES

Based on : 1 cal = 4.186 8 J

सारणी 179 जूल से कैलोरी में

आधार : 1 कै = 4.186 8 जूल

Joules जूल	0	100	200	300	400	500	600	700	800	900
	Calories (cal)									
	कैलोरी (कै)									
0	0	23 884.6	47 769.2	71 654	95 538	119 423	143 308	167 192	191 077	214 961
1 000	238 846	262 730	286 615	310 500	334 384	358 269	382 153	406 038	429 923	453 807
2 000	477 692	501 58	525 46	549 35	573 23	597 11	621 00	644 88	668 77	692 65
3 000	716 54	740 42	764 31	788 19	812 08	835 96	859 85	883 73	907 61	931 50
4 000	955 38	979 27	1 003 15	1 027 04	1 050 92	1 074 81	1 098 69	1 122 58	1 146 46	1 170 34
5 000	1 194 23	1 218 11	1 242 00	1 265 88	1 289 77	1 313 65	1 337 54	1 361 42	1 385 31	1 409 19
6 000	1 433 08	1 456 96	1 480 84	1 504 73	1 528 61	1 552 50	1 576 38	1 600 27	1 624 15	1 648 04
7 000	1 671 92	1 695 81	1 719 69	1 743 58	1 767 46	1 791 34	1 815 23	1 839 11	1 863 00	1 886 88
8 000	1 910 77	1 934 65	1 958 54	1 982 42	2 006 31	2 030 19	2 054 07	2 077 96	2 101 84	2 125 73
9 000	2 149 61	2 173 50	2 197 38	2 221 27	2 245 15	2 269 04	2 292 92	2 316 81	2 340 69	2 364 57
10 000	2 388 46	2 412 34	2 436 23	2 460 11	2 484 00	2 507 88	2 531 77	2 555 65	2 579 54	2 603 42
11 000	2 627 30	2 651 19	2 675 07	2 698 96	2 722 84	2 746 73	2 770 61	2 794 50	2 818 38	2 842 27
12 000	2 866 15	2 890 04	2 913 92	2 937 80	2 961 69	2 985 57	3 009 46	3 033 34	3 057 23	3 081 11
13 000	3 105 00	3 128 88	3 152 77	3 176 65	3 200 54	3 224 42	3 248 30	3 272 19	3 296 07	3 319 96
14 000	3 343 84	3 367 73	3 391 61	3 415 50	3 439 38	3 463 27	3 487 15	3 511 03	3 534 92	3 558 80
15 000	3 582 69	3 606 57	3 630 46	3 654 34	3 678 23	3 702 11	3 726 00	3 749 88	3 773 77	3 797 65
16 000	3 821 53	3 845 42	3 869 30	3 893 19	3 917 07	3 940 96	3 964 84	3 988 73	4 012 61	4 036 50
17 000	4 060 38	4 084 26	4 108 15	4 132 03	4 155 92	4 179 80	4 203 69	4 227 57	4 251 46	4 275 34
18 000	4 299 23	4 323 11	4 347 00	4 370 88	4 394 76	4 418 65	4 442 53	4 466 42	4 490 30	4 514 19
19 000	4 538 07	4 561 96	4 585 84	4 609 73	4 633 61	4 657 49	4 681 38	4 705 26	4 729 15	4 753 03
20 000	4 776 92	4 800 80	4 824 69	4 848 57	4 872 46	4 896 34	4 920 23	4 944 11	4 967 99	4 991 88
21 000	5 015 8	5 039 6	5 063 5	5 087 4	5 111 3	5 135 2	5 159 1	5 183 0	5 206 8	5 230 7
22 000	5 254 6	5 278 5	5 302 4	5 326 3	5 350 1	5 374 0	5 397 9	5 421 8	5 445 7	5 469 6
23 000	5 493 5	5 517 3	5 541 2	5 565 1	5 589 0	5 612 9	5 636 8	5 660 6	5 684 5	5 708 4
24 000	5 732 3	5 756 2	5 780 1	5 804 0	5 827 8	5 851 7	5 875 6	5 899 5	5 923 4	5 947 3
25 000	5 971 1	5 995 0	6 018 9	6 042 8	6 066 7	6 090 6	6 114 5	6 138 3	6 162 2	6 186 1
26 000	6 210 0	6 233 9	6 257 8	6 281 6	6 305 5	6 329 4	6 353 3	6 377 2	6 401 1	6 425 0
27 000	6 448 8	6 472 7	6 496 6	6 520 5	6 544 4	6 568 3	6 592 1	6 616 0	6 639 9	6 663 8
28 000	6 687 7	6 711 6	6 735 5	6 759 3	6 783 2	6 807 1	6 831 0	6 854 9	6 878 8	6 902 6
29 000	6 926 5	6 950 4	6 974 3	6 998 2	7 022 1	7 046 0	7 069 8	7 093 7	7 117 6	7 141 5
30 000	7 165 4	7 189 3	7 213 1	7 237 0	7 260 9	7 284 8	7 308 7	7 332 6	7 356 5	7 380 3
31 000	7 404 2	7 428 1	7 452 0	7 475 9	7 499 8	7 523 6	7 547 5	7 571 4	7 595 3	7 619 2
32 000	7 643 1	7 667 0	7 690 8	7 714 7	7 738 6	7 762 5	7 786 4	7 810 3	7 834 1	7 858 0
33 000	7 881 9	7 905 8	7 929 7	7 953 6	7 977 5	8 001 3	8 025 2	8 049 1	8 073 0	8 096 9
34 000	8 120 8	8 144 6	8 168 5	8 192 4	8 216 3	8 240 2	8 264 1	8 288 0	8 311 8	8 335 7
35 000	8 359 6	8 383 5	8 407 4	8 431 3	8 455 1	8 479 0	8 502 9	8 526 8	8 550 7	8 574 6
36 000	8 598 5	8 622 3	8 646 2	8 670 1	8 694 0	8 717 9	8 741 8	8 765 6	8 789 5	8 813 4
37 000	8 837 3	8 861 2	8 885 1	8 909 0	8 932 8	8 956 7	8 980 6	9 004 5	9 028 4	9 052 3
38 000	9 076 1	9 100 0	9 123 9	9 147 8	9 171 7	9 195 6	9 219 5	9 243 3	9 267 2	9 291 1
39 000	9 315 0	9 338 9	9 362 8	9 386 6	9 410 5	9 434 4	9 458 3	9 482 2	9 506 1	9 530 0
40 000	9 553 8	9 577 7	9 601 6	9 625 5	9 649 4	9 673 3	9 697 1	9 721 0	9 744 9	9 768 8
41 000	9 792 7	9 816 6	9 840 5	9 864 3	9 888 2	9 912 1	9 936 0	9 959 9	9 983 8	10 007 6
42 000	10 031 5	10 055 4	10 079 3	10 103 2	10 127 1	10 151 0	10 174 8	10 198 7	10 222 6	10 246 5
43 000	10 270 4	10 294 3	10 318 1	10 342 0	10 365 9	10 389 8	10 413 7	10 437 6	10 461 5	10 485 3
44 000	10 509 2	10 533 1	10 557 0	10 580 9	10 604 8	10 628 6	10 652 5	10 676 4	10 700 3	10 724 2
45 000	10 748 1	10 771 9	10 795 8	10 819 7	10 843 6	10 867 5	10 891 4	10 915 3	10 939 1	10 963 0
46 000	10 986 9	11 010 8	11 034 7	11 058 6	11 082 4	11 106 3	11 130 2	11 154 1	11 178 0	11 201 9
47 000	11 225 8	11 249 6	11 273 5	11 297 4	11 321 3	11 345 2	11 369 1	11 392 9	11 416 8	11 440 7
48 000	11 464 6	11 488 5	11 512 4	11 536 3	11 560 1	11 584 0	11 607 9	11 631 8	11 655 7	11 679 6
49 000	11 703 4	11 727 3	11 751 2	11 775 1	11 799 0	11 822 9	11 846 8	11 870 6	11 894 5	11 918 4
50 000	11 942 3									

7. SPECIFIC ENERGY (CALORIFIC VALUE, MASS BASIS)

7. विशिष्ट ऊर्जा (कैलोरी मान के आधार पर)

TABLE 180 BRITISH THERMAL UNITS PER POUND TO KILOJOULES PER KILOGRAM

सारणी 180 ब्रिटिश ऊष्मा इकाई प्रति पौंड से किलोजूल प्रति किलोग्राम में
आधार : 1 ब्रिउइका/पौ = 2 326 जूल/किग्रा

Based on : 1 Btu/lb = 2 326 J/kg

British Thermal Units per Pound ब्रिटिश ऊष्मा इकाई प्रति पौंड	0	10	20	30	40	50	60	70	80	90
	Kilojoules per kilogram (kJ/kg)					किलोजूल प्रति किलोग्राम (किल्ल/किग्रा)				
0	0	23.26	46.52	69.78	93.04	116.30	139.56	162.82	186.08	209.34
100	232.60	255.86	279.12	302.38	325.64	348.90	372.16	395.42	418.68	441.94
200	465.20	488.46	511.72	534.98	558.24	581.50	604.76	628.02	651.28	674.54
300	697.80	721.06	744.32	767.58	790.84	814.10	837.36	860.62	883.88	907.14
400	930.40	953.66	976.92	1 000.18	1 023.44	1 046.70	1 069.96	1 093.22	1 116.48	1 139.74
500	1 163.00	1 186.26	1 209.52	1 232.78	1 256.04	1 279.30	1 302.56	1 325.82	1 349.08	1 372.34
600	1 395.60	1 418.86	1 442.12	1 465.38	1 488.64	1 511.90	1 535.16	1 558.42	1 581.68	1 604.94
700	1 628.20	1 651.46	1 674.72	1 697.98	1 721.24	1 744.50	1 767.76	1 791.02	1 814.28	1 837.54
800	1 860.80	1 884.06	1 907.32	1 930.58	1 953.84	1 977.10	2 000.36	2 023.62	2 046.88	2 070.14
900	2 093.40	2 116.66	2 139.92	2 163.18	2 186.44	2 209.70	2 232.96	2 256.22	2 279.48	2 302.74
1 000	2 326.00	2 349.26	2 372.52	2 395.78	2 419.04	2 442.30	2 465.56	2 488.82	2 512.08	2 535.34
1 100	2 558.60	2 581.86	2 605.12	2 628.38	2 651.64	2 674.90	2 698.16	2 721.42	2 744.68	2 767.94
1 200	2 791.20	2 814.46	2 837.72	2 860.98	2 884.24	2 907.50	2 930.76	2 954.02	2 977.28	3 000.54
1 300	3 023.80	3 047.06	3 070.32	3 093.58	3 116.84	3 140.10	3 163.36	3 186.62	3 209.88	3 233.14
1 400	3 256.40	3 279.66	3 302.92	3 326.18	3 349.44	3 372.70	3 395.96	3 419.22	3 442.48	3 465.74
1 500	3 489.00	3 512.26	3 535.52	3 558.78	3 582.04	3 605.30	3 628.56	3 651.82	3 675.08	3 698.34
1 600	3 721.60	3 744.86	3 768.12	3 791.38	3 814.64	3 837.90	3 861.16	3 884.42	3 907.68	3 930.94
1 700	3 954.20	3 977.46	4 000.72	4 023.98	4 047.24	4 070.50	4 093.76	4 117.02	4 140.28	4 163.54
1 800	4 186.80	4 210.06	4 233.32	4 256.58	4 279.84	4 303.10	4 326.36	4 349.62	4 372.88	4 396.14
1 900	4 419.40	4 442.66	4 465.92	4 489.18	4 512.44	4 535.70	4 558.96	4 582.22	4 605.48	4 628.74
2 000	4 652.00									

TABLE 181 KILOJOULES PER KILOGRAM TO BRITISH THERMAL UNITS PER POUND

सारणी 181 किलोजूल प्रति किलोग्राम से ब्रिटिश ऊष्मा इकाई प्रति पौंड में

Based on : 1 Btu/lb = 2 326 J/kg

आधार : 1 ब्रिउइका = 2 326 जूल/किग्रा

Kilojoules per Kilogram किलोजूल प्रति किलोग्राम	0	100	200	300	400	500	600	700	800	900
	British thermal units per pound (Btu/lb)					ब्रिटिश ऊष्मा इकाई प्रति पौंड (ब्रिउइका/पौ)				
0	0	42.992 3	85.985	128.977	171.969	214.961	257.954	300.946	343.938	386.930
1 000	429.923	472.915	515.91	558.90	601.89	644.88	687.88	730.87	773.86	816.85
2 000	859.85	902.84	945.83	988.82	1 031.81	1 074.81	1 117.80	1 160.79	1 203.78	1 246.78
3 000	1 289.77	1 332.76	1 375.75	1 418.74	1 461.74	1 504.73	1 547.72	1 590.71	1 633.71	1 676.70
4 000	1 719.69	1 762.68	1 805.67	1 848.67	1 891.66	1 934.65	1 977.64	2 020.64	2 063.63	2 106.62
5 000	2 149.61	2 192.61	2 235.60	2 278.59	2 321.58	2 364.57	2 407.57	2 450.56	2 493.55	2 536.54
6 000	2 579.54	2 622.53	2 665.52	2 708.51	2 751.50	2 794.50	2 837.49	2 880.48	2 923.47	2 966.47
7 000	3 009.46	3 052.45	3 095.44	3 138.44	3 181.43	3 224.42	3 267.41	3 310.40	3 353.40	3 396.39
8 000	3 439.38	3 482.37	3 525.37	3 568.36	3 611.35	3 654.34	3 697.33	3 740.33	3 783.32	3 826.31
9 000	3 869.30	3 912.30	3 955.29	3 998.28	4 041.27	4 084.26	4 127.26	4 170.25	4 213.24	4 256.23
10 000	4 299.23									

8. CALORIFIC VALUE (VOLUME BASIS)

TABLE 182 BRITISH THERMAL UNITS PER CUBIC FOOT TO KILOJOULES PER CUBIC METRE

Based on { $9 \text{ Btu} = 5 \times 453.5924 \text{ cal}$
 $1 \text{ cal} = 4.1868 \text{ J}$
 $1 \text{ ft} = 0.3048 \text{ m}$

8. कैलोरी मान (आयतन के आधार पर)

सारणी 182 ब्रिटिश ऊष्मा इकाई प्रति घन फुट से किलोजूल प्रति घन मीटर में

आधार { $9 \text{ ब्रिटिश इकाई} = 5 \times 453.5924 \text{ कै}$
 $1 \text{ कै} = 4.1868 \text{ जूल}$
 $1 \text{ फुट} = 0.3048 \text{ मी}$

British Thermal Units per Cubic Foot ब्रिटिश ऊष्मा इकाई प्रति घन फुट	0	10	20	30	40	50	60	70	80	90
	Kilojoules per cubic metre (kJ/m ³)					किलोजूल प्रति मी ³ (किलोजूल/मी ³)				
0	0	372.589	745.18	1 117.77	1 490.36	1 862.95	2 235.54	2 608.13	2 980.72	3 353.31
100	3 725.89	4 098.48	4 471.07	4 843.66	5 216.3	5 588.8	5 961.4	6 334.0	6 706.6	7 079.2
200	7 451.8	7 824.4	8 197.0	8 569.6	8 942.1	9 314.7	9 687.3	10 059.9	10 432.5	10 805.1
300	11 177.7	11 550.3	11 922.9	12 295.5	12 668.0	13 040.6	13 413.2	13 785.8	14 158.4	14 531.0
400	14 903.6	15 276.2	15 648.8	16 021.3	16 393.9	16 766.5	17 139.1	17 511.7	17 884.3	18 256.9
500	18 629.5	19 002.1	19 374.7	19 747.2	20 119.8	20 492.4	20 865.0	21 237.6	21 610.2	21 982.8
600	22 355.4	22 728.0	23 100.5	23 473.1	23 845.7	24 218.3	24 590.9	24 963.5	25 336.1	25 708.7
700	26 081.3	26 453.9	26 826.4	27 199.0	27 571.6	27 944.2	28 316.8	28 689.4	29 062.0	29 434.6
800	29 807.2	30 179.7	30 552.3	30 924.9	31 297.5	31 670.1	32 042.7	32 415.3	32 787.9	33 160.5
900	33 533.1	33 905.6	34 278.2	34 650.8	35 023.4	35 396.0	35 768.6	36 141.2	36 513.8	36 886.4
1 000	37 258.9									

TABLE 183 KILOJOULES PER CUBIC METRE TO BRITISH THERMAL UNITS PER CUBIC FOOT

Based on { $9 \text{ Btu} = 5 \times 453.5924 \text{ cal}$
 $1 \text{ cal} = 4.1868 \text{ J}$
 $1 \text{ ft} = 0.3048 \text{ m}$

सारणी 183 किलोजूल प्रति घन मीटर से ब्रिटिश ऊष्मा इकाई प्रति घन फुट में

आधार { $9 \text{ ब्रिटिश इकाई} = 5 \times 453.5924 \text{ कै}$
 $1 \text{ कै} = 4.1868 \text{ जूल}$
 $1 \text{ फुट} = 0.3048 \text{ मी}$

Kilojoules per Cubic Metre किलोजूल प्रति घन मीटर	0	100	200	300	400	500	600	700	800	900
	British thermal units per cubic foot (Btu/ft ³)					ब्रिटिश ऊष्मा इकाई प्रति फुट ³ (ब्रिटिश इकाई/फुट ³)				
0	0	2.683 92	5.367 8	8.051 8	10.735 7	13.419 6	16.103 5	18.787 4	21.471 4	24.155 3
1 000	26.839 2	29.523 1	32.207 0	34.890 9	37.574 9	40.258 8	42.942 7	45.626 6	48.310 5	50.994
2 000	53.678	56.362	59.046	61.730	64.414	67.098	69.782	72.466	75.150	77.834
3 000	80.518	83.201	85.885	88.569	91.253	93.937	96.621	99.305	101.989	104.673
4 000	107.357	110.041	112.725	115.409	118.092	120.776	123.460	126.144	128.828	131.512
5 000	134.196	136.880	139.564	142.248	144.932	147.616	150.299	152.983	155.667	158.351
6 000	161.035	163.719	166.403	169.087	171.771	174.455	177.139	179.823	182.506	185.190
7 000	187.874	190.558	193.242	195.926	198.610	201.294	203.978	206.662	209.346	212.030
8 000	214.714	217.397	220.081	222.765	225.449	228.133	230.817	233.501	236.185	238.869
9 000	241.553	244.237	246.921	249.604	252.288	254.972	257.656	260.340	263.024	265.708
10 000	268.392	271.076	273.760	276.444	279.128	281.811	284.495	287.179	289.863	292.547
11 000	295.231	297.915	300.599	303.283	305.967	308.651	311.335	314.019	316.702	319.386
12 000	322.070	324.754	327.438	330.122	332.806	335.490	338.174	340.858	343.542	346.226
13 000	348.909	351.593	354.277	356.961	359.645	362.329	365.013	367.697	370.381	373.065
14 000	375.749	378.433	381.117	383.800	386.484	389.168	391.852	394.536	397.220	399.904
15 000	402.588	405.272	407.956	410.640	413.324	416.007	418.691	421.375	424.059	426.743
16 000	429.427	432.111	434.795	437.479	440.163	442.847	445.531	448.214	450.898	453.582
17 000	456.266	458.950	461.634	464.318	467.002	469.686	472.370	475.054	477.738	480.422
18 000	483.105	485.789	488.473	491.157	493.841	496.525	499.209	501.893	504.577	507.261
19 000	509.94	512.63	515.31	518.00	520.68	523.36	526.05	528.73	531.42	534.10
20 000	536.78	539.47	542.15	544.84	547.52	550.20	552.89	555.57	558.26	560.94
21 000	563.62	566.31	568.99	571.67	574.36	577.04	579.73	582.41	585.09	587.78
22 000	590.46	593.15	595.83	598.51	601.20	603.88	606.57	609.25	611.93	614.62
23 000	617.30	619.99	622.67	625.35	628.04	630.72	633.40	636.09	638.77	641.46
24 000	644.14	646.82	649.51	652.19	654.88	657.56	660.24	662.93	665.61	668.30
25 000	670.98	673.66	676.35	679.03	681.72	684.40	687.08	689.77	692.45	695.14
26 000	697.82	700.50	703.19	705.87	708.55	711.24	713.92	716.61	719.29	721.97
27 000	724.66	727.34	730.03	732.71	735.39	738.08	740.76	743.45	746.13	748.81
28 000	751.50	754.18	756.87	759.55	762.23	764.92	767.60	770.28	772.97	775.65
29 000	778.34	781.02	783.70	786.39	789.07	791.76	794.44	797.12	799.81	802.49
30 000	805.18									

9. SPECIFIC HEAT CAPACITY (VOLUME BASIS)

TABLE 184 BRITISH THERMAL UNITS PER CUBIC FOOT DEGREE FAHRENHEIT TO KILOJOULES PER CUBIC METRE DEGREE CELSIUS

Based on { $9 \text{ Btu} = 5 \times 453.592 \text{ 4 cal}$
 $1 \text{ cal} = 4.186 \text{ 8 J}$
 $1 \text{ ft} = 0.304 \text{ 8 m}$
 $9 \text{ deg F} = 5 \text{ deg C}$

British Thermal Units per Cubic Foot Degree Fahrenheit ब्रिटिश ऊष्मा इकाई घन फुट अंश फारेनहाइट	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
	Kilojoules per cubic metre degree Celsius (kJ/m ³ deg C) किलोजूल प्रति घन मीटर अंश सेल्सियस (किलोजूल/मी ³ अंश से)									
0	0	0.670 66	1.341 32	2.011 98	2.682 64	3.353 31	4.023 97	4.694 63	5.365 3	6.035 9
0.1	6.706 6	7.377 3	8.047 9	8.718 6	9.389 3	10.059 9	10.730 6	11.401 2	12.071 9	12.742 6
0.2	13.413 2	14.083 9	14.754 5	15.425 2	16.095 9	16.766 5	17.437 2	18.107 8	18.778 5	19.449 2
0.3	20.119 8	20.790 5	21.461 2	22.131 8	22.802 5	23.473 1	24.143 8	24.814 5	25.485 1	26.155 8
0.4	26.826 4	27.497 1	28.167 8	28.838 4	29.509 1	30.179 7	30.850 4	31.521 1	32.191 7	32.862 4
0.5	33.533 1	34.203 7	34.874 4	35.545 0	36.215 7	36.886 4	37.557 0	38.227 7	38.898 3	39.569 0
0.6	40.239 7	40.910 3	41.581 0	42.251 6	42.922 3	43.593 0	44.263 6	44.934 3	45.605 0	46.275 6
0.7	46.946 3	47.616 9	48.287 6	48.958 3	49.628 9	50.300	50.970	51.641	52.312	52.982
0.8	53.653	54.324	54.994	55.665	56.336	57.006	57.677	58.348	59.018	59.689
0.9	60.359	61.030	61.701	62.371	63.042	63.713	64.383	65.054	65.725	66.395
1.0	67.066									

आधार { $9 \text{ ब्रिटिश ऊष्मा} = 5 \times 453.592 \text{ 4 कॅ}$
 $1 \text{ कॅ} = 4.186 \text{ 8 जूल}$
 $1 \text{ फुट} = 0.304 \text{ 8 मी}$
 $9 \text{ अंश फा} = 5 \text{ अंश से}$

TABLE 185 KILOJOULES PER CUBIC METRE DEGREE CELSIUS TO BRITISH THERMAL UNITS PER CUBIC FOOT DEGREE FAHRENHEIT

Based on { $9 \text{ Btu} = 5 \times 453.592 \text{ 4 cal}$
 $1 \text{ cal} = 4.186 \text{ 8 J}$
 $1 \text{ ft} = 0.304 \text{ 8 m}$
 $9 \text{ deg F} = 5 \text{ deg C}$

सारणी 185 किलोजूल प्रति घन मीटर अंश सेल्सियस से ब्रिटिश ऊष्मा इकाई प्रति घन फुट अंश फारेनहाइट में

आधार { $9 \text{ ब्रिटिश ऊष्मा} = 5 \times 453.592 \text{ 4 कॅ}$
 $1 \text{ कॅ} = 4.186 \text{ 8 जूल}$
 $1 \text{ फुट} = 0.304 \text{ 8 मी}$
 $9 \text{ अंश फा} = 5 \text{ अंश से}$

Kilojoules per Cubic Metre Degree Celsius किलोजूल प्रति घन मीटर अंश सेल्सियस	0	1	2	3	4	5	6	7	8	9
	British thermal units per cubic foot degree fahrenheit (Btu/ft ³ deg F) ब्रिटिश ऊष्मा इकाई प्रति घन फुट अंश फारेनहाइट (ब्रिटिश ऊष्मा/फु ³ अंश फा)									
0	0	0.014 910 7	0.029 821 3	0.044 732 0	0.059 643	0.074 553	0.089 464	0.104 375	0.119 285	0.134 196
10	0.149 107	0.164 017	0.178 928	0.193 839	0.208 749	0.223 660	0.238 571	0.253 481	0.268 392	0.283 303
20	0.298 213	0.313 124	0.328 035	0.342 945	0.357 856	0.372 767	0.387 677	0.402 588	0.417 499	0.432 409
30	0.447 320	0.462 230	0.477 141	0.492 052	0.506 96	0.521 87	0.536 78	0.551 69	0.566 61	0.581 52
40	0.596 43	0.611 34	0.626 25	0.641 16	0.656 07	0.670 98	0.685 89	0.700 80	0.715 71	0.730 62
50	0.745 53	0.760 44	0.775 35	0.790 27	0.805 18	0.820 09	0.835 00	0.849 91	0.864 82	0.879 73
60	0.894 64	0.909 55	0.924 46	0.939 37	0.954 28	0.969 19	0.984 10	0.999 01	1.013 92	1.028 84
70	1.043 75	1.058 66	1.073 57	1.088 48	1.103 39	1.118 30	1.133 21	1.148 12	1.163 03	1.177 94
80	1.192 85	1.207 76	1.222 67	1.237 58	1.252 50	1.267 41	1.282 32	1.297 23	1.312 14	1.327 05
90	1.341 96	1.356 87	1.371 78	1.386 69	1.401 60	1.416 51	1.431 42	1.446 33	1.461 24	1.476 16
100	1.491 07									

10. INTENSITY OF HEAT FLOW RATE

TABLE 186 BRITISH THERMAL UNITS PER SQUARE FOOT HOUR TO WATTS PER SQUARE METRE

Based on $\begin{cases} 1 \text{ Btu} = 2.326 \times 453.5924 \text{ J} \\ 1 \text{ ft} = 0.3048 \text{ m} \\ 1 \text{ h} = 3600 \text{ s} \end{cases}$

British Thermal Units per Square Foot Hour ब्रिटिश ऊष्मा इकाई प्रति वर्ग-फुट घंटा	0	10	20	30	40	50	60	70	80	90
	Watts per square metre (W/m^2)									
0	0	31.5459	63.092	94.638	126.184	157.730	189.275	220.821	252.367	283.913
100	315.459	347.005	378.551	410.097	441.643	473.189	504.73	536.28	567.83	599.37
200	630.92	662.46	694.01	725.56	757.10	788.65	820.19	851.74	883.29	914.83
300	946.38	977.92	1009.47	1041.02	1072.56	1104.11	1135.65	1167.20	1198.74	1230.29
400	1261.84	1293.38	1324.93	1356.47	1388.02	1419.57	1451.11	1482.66	1514.20	1545.75
500	1577.30	1608.84	1640.39	1671.93	1703.48	1735.03	1766.57	1798.12	1829.66	1861.21
600	1892.75	1924.30	1955.85	1987.39	2018.94	2050.48	2082.03	2113.58	2145.12	2176.67
700	2208.21	2239.76	2271.31	2302.85	2334.40	2365.94	2397.49	2429.04	2460.58	2492.13
800	2523.67	2555.22	2586.76	2618.31	2649.86	2681.40	2712.95	2744.49	2776.04	2807.59
900	2839.13	2870.68	2902.22	2933.77	2965.32	2996.86	3028.41	3059.95	3091.50	3123.05
1000	3154.59	3186.14	3217.68	3249.23	3280.77	3312.32	3343.87	3375.41	3406.96	3438.50
1100	3470.05	3501.60	3533.14	3564.69	3596.23	3627.78	3659.33	3690.87	3722.42	3753.96
1200	3785.51	3817.06	3848.60	3880.15	3911.69	3943.24	3974.78	4006.33	4037.88	4069.42
1300	4100.97	4132.51	4164.06	4195.61	4227.15	4258.70	4290.24	4321.79	4353.34	4384.88
1400	4416.43	4447.97	4479.52	4511.07	4542.61	4574.16	4605.70	4637.25	4668.79	4700.34
1500	4731.89	4763.43	4794.98	4826.52	4858.07	4889.62	4921.16	4952.71	4984.25	5015.8
1600	5047.3	5078.9	5110.4	5142.0	5173.5	5205.1	5236.6	5268.2	5299.7	5331.3
1700	5362.8	5394.4	5425.9	5457.4	5489.0	5520.5	5552.1	5583.6	5615.2	5646.7
1800	5678.3	5709.8	5741.4	5772.9	5804.4	5836.0	5867.5	5899.1	5930.6	5962.2
1900	5993.7	6025.3	6056.8	6088.4	6119.9	6151.5	6183.0	6214.5	6246.1	6277.6
2000	6309.2									

TABLE 187 WATTS PER SQUARE METRE TO BRITISH THERMAL UNITS PER SQUARE FOOT HOUR

Based on $\begin{cases} 1 \text{ Btu} = 2.326 \times 453.5924 \text{ J} \\ 1 \text{ ft} = 0.3048 \text{ m} \\ 1 \text{ h} = 3600 \text{ s} \end{cases}$

10. ऊष्मा प्रवाह दर की तीव्रता

सारणी 186 ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा से वाट प्रति वर्ग मीटर में

आधार $\begin{cases} 1 \text{ ब्रिऊइका} = 2.326 \times 453.5924 \text{ जूल} \\ 1 \text{ फुट} = 0.3048 \text{ मी} \\ 1 \text{ घं} = 3600 \text{ से} \end{cases}$

TABLE 187 वाट प्रति वर्ग मीटर से ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा में

आधार $\begin{cases} 1 \text{ ब्रिऊइका} = 2.326 \times 453.5924 \text{ जूल} \\ 1 \text{ फुट} = 0.3048 \text{ मी} \\ 1 \text{ घं} = 3600 \text{ से} \end{cases}$

Watts per Square Metre वाट प्रति वर्ग मीटर	0	100	200	300	400	500	600	700	800	900
	British thermal units per square foot hour ($\text{Btu/ft}^2 \text{ h}$)									
0	0	31.6998	63.400	95.099	126.799	158.499	190.199	221.899	253.599	285.298
1000	316.998	348.698	380.398	412.098	443.798	475.497	507.20	538.90	570.60	602.30
2000	634.00	665.70	697.40	729.10	760.80	792.50	824.20	855.90	887.60	919.30
3000	950.99	982.69	1014.39	1046.09	1077.79	1109.49	1141.19	1172.89	1204.59	1236.29
4000	1267.99	1299.69	1331.39	1363.09	1394.79	1426.49	1458.19	1489.89	1521.59	1553.29
5000	1584.99	1616.69	1648.39	1680.09	1711.79	1743.49	1775.19	1806.89	1838.59	1870.29
6000	1901.99	1933.69	1965.39	1997.09	2028.79	2060.49	2092.19	2123.89	2155.59	2187.29
7000	2218.99	2250.69	2282.39	2314.09	2345.79	2377.49	2409.19	2440.89	2472.59	2504.29
8000	2535.99	2567.69	2599.39	2631.09	2662.79	2694.49	2726.19	2757.89	2789.59	2821.29
9000	2852.98	2884.68	2916.38	2948.08	2979.78	3011.48	3043.18	3074.88	3106.58	3138.28
10000	3169.98									

TABLE 188 KILOCALORIES PER SQUARE METRE HOUR TO WATTS PER SQUARE METRE

सारणी 188 किलोकॅलोरी प्रति वर्ग मीटर घंटा से वाट प्रति वर्ग मीटर में

Based on $\begin{cases} 1 \text{ kcal} = 4186.8 \text{ J} \\ 1 \text{ h} = 3600 \text{ s} \end{cases}$ आधार $\begin{cases} 1 \text{ कि०} = 4186.8 \text{ जूल} \\ 1 \text{ घं} = 3600 \text{ से} \end{cases}$

Kilocalories per Square Metre Hour किलोकॅलोरी प्रति वर्ग मीटर घंटा	0	10	20	30	40	50	60	70	80	90
	Watts per square metre (W/m ²)					वाट प्रति वर्ग मीटर (वा/मी ²)				
0	0	11.63	23.26	34.89	46.52	58.15	69.78	81.41	93.04	104.67
100	116.30	127.93	139.56	151.19	162.82	174.45	186.08	197.71	209.34	220.97
200	232.60	244.23	255.86	267.49	279.12	290.75	302.38	314.01	325.64	337.27
300	348.90	360.53	372.16	383.79	395.42	407.05	418.68	430.31	441.94	453.57
400	465.20	476.83	488.46	500.09	511.72	523.35	534.98	546.61	558.24	569.87
500	581.50	593.13	604.76	616.39	628.02	639.65	651.28	662.91	674.54	686.17
600	697.80	709.43	721.06	732.69	744.32	755.95	767.58	779.21	790.84	802.47
700	814.10	825.73	837.36	848.99	860.62	872.25	883.88	895.51	907.14	918.77
800	930.40	942.03	953.66	965.29	976.92	988.55	1000.18	1011.81	1023.44	1035.07
900	1046.70	1058.33	1069.96	1081.59	1093.22	1104.85	1116.48	1128.11	1139.74	1151.37
1000	1163.00	1174.63	1186.26	1197.89	1209.52	1221.15	1232.78	1244.41	1256.04	1267.67
1100	1279.30	1290.93	1302.56	1314.19	1325.82	1337.45	1349.08	1360.71	1372.34	1383.97
1200	1395.60	1407.23	1418.86	1430.49	1442.12	1453.75	1465.38	1477.01	1488.64	1500.27
1300	1511.90	1523.53	1535.16	1546.79	1558.42	1570.05	1581.68	1593.31	1604.94	1616.57
1400	1628.20	1639.83	1651.46	1663.09	1674.72	1686.35	1697.98	1709.61	1721.24	1732.87
1500	1744.50	1756.13	1767.76	1779.39	1791.02	1802.65	1814.28	1825.91	1837.54	1849.17
1600	1860.80	1872.43	1884.06	1895.69	1907.32	1918.95	1930.58	1942.21	1953.84	1965.47
1700	1977.10	1988.73	2000.36	2011.99	2023.62	2035.25	2046.88	2058.51	2070.14	2081.77
1800	2093.40	2105.03	2116.66	2128.29	2139.92	2151.55	2163.18	2174.81	2186.44	2198.07
1900	2209.70	2221.33	2232.96	2244.59	2256.22	2267.85	2279.48	2291.11	2302.74	2314.37
2000	2326.00	2337.63	2349.26	2360.89	2372.52	2384.15	2395.78	2407.41	2419.04	2430.67
2100	2442.30	2453.93	2465.56	2477.19	2488.82	2500.45	2512.08	2523.71	2535.34	2546.97
2200	2558.60	2570.23	2581.86	2593.49	2605.12	2616.75	2628.38	2640.01	2651.64	2663.27
2300	2674.90	2686.53	2698.16	2709.79	2721.42	2733.05	2744.68	2756.31	2767.94	2779.57
2400	2791.20	2802.83	2814.46	2826.09	2837.72	2849.35	2860.98	2872.61	2884.24	2895.87
2500	2907.50	2919.13	2930.76	2942.39	2954.02	2965.65	2977.28	2988.91	3000.54	3012.17
2600	3023.80	3035.43	3047.06	3058.69	3070.32	3081.95	3093.58	3105.21	3116.84	3128.47
2700	3140.10	3151.73	3163.36	3174.99	3186.62	3198.25	3209.88	3221.51	3233.14	3244.77
2800	3256.40	3268.03	3279.66	3291.29	3302.92	3314.55	3326.18	3337.81	3349.44	3361.07
2900	3372.70	3384.33	3395.96	3407.59	3419.22	3430.85	3442.48	3454.11	3465.74	3477.37
3000	3489.00	3500.63	3512.26	3523.89	3535.52	3547.15	3558.78	3570.41	3582.04	3593.67
3100	3605.30	3616.93	3628.56	3640.19	3651.82	3663.45	3675.08	3686.71	3698.34	3709.97
3200	3721.60	3733.23	3744.86	3756.49	3768.12	3779.75	3791.38	3803.01	3814.64	3826.27
3300	3837.90	3849.53	3861.16	3872.79	3884.42	3896.05	3907.68	3919.31	3930.94	3942.57
3400	3954.20	3965.83	3977.46	3989.09	4000.72	4012.35	4023.98	4035.61	4047.24	4058.87
3500	4070.50	4082.13	4093.76	4105.39	4117.02	4128.65	4140.28	4151.91	4163.54	4175.17
3600	4186.80	4198.43	4210.06	4221.69	4233.32	4244.95	4256.58	4268.21	4279.84	4291.47
3700	4303.10	4314.73	4326.36	4337.99	4349.62	4361.25	4372.88	4384.51	4396.14	4407.77
3800	4419.40	4431.03	4442.66	4454.29	4465.92	4477.55	4489.18	4500.81	4512.44	4524.07
3900	4535.70	4547.33	4558.96	4570.59	4582.22	4593.85	4605.48	4617.11	4628.74	4640.37
4000	4652.00	4663.63	4675.26	4686.89	4698.52	4710.15	4721.78	4733.41	4745.04	4756.67
4100	4768.30	4779.93	4791.56	4803.19	4814.82	4826.45	4838.08	4849.71	4861.34	4872.97
4200	4884.60	4896.23	4907.86	4919.49	4931.12	4942.75	4954.38	4966.01	4977.64	4989.27
4300	5000.90	5012.53	5024.16	5035.79	5047.42	5059.05	5070.68	5082.31	5093.94	5105.57
4400	5117.20	5128.83	5140.46	5152.09	5163.72	5175.35	5186.98	5198.61	5210.24	5221.87
4500	5233.50	5245.13	5256.76	5268.39	5280.02	5291.65	5303.28	5314.91	5326.54	5338.17
4600	5349.80	5361.43	5373.06	5384.69	5396.32	5407.95	5419.58	5431.21	5442.84	5454.47
4700	5466.10	5477.73	5489.36	5500.99	5512.62	5524.25	5535.88	5547.51	5559.14	5570.77
4800	5582.40	5594.03	5605.66	5617.29	5628.92	5640.55	5652.18	5663.81	5675.44	5687.07
4900	5698.70	5710.33	5721.96	5733.59	5745.22	5756.85	5768.48	5780.11	5791.74	5803.37
5000	5815.00									

NOTE— This table may also be used directly for converting kilocalories per metre hour degree Celsius to watts per metre degree Celsius, since $1 \text{ kcal/m h deg C} = 1.163 \text{ w/m deg C}$.

नोट — इस सारणी का उपयोग किलोकॅलोरी प्रति मीटर घंटा अंश सेल्सियस से वाट प्रति मीटर अंश सेल्सियस में परिवर्तन करने में व्योक्त किया जा सकता है, क्योंकि $1 \text{ कि०/मी घं अं से} = 1.163 \text{ वा/मी अं से}$ ।

TABLE 189 WATTS PER SQUARE METRE TO
KILOCALORIES PER SQUARE METRE
HOURसारणी 189 वाट प्रति वर्ग मीटर से किलोकैलोरी प्रति वर्ग मीटर
घंटा मेंBased on { 1 kcal = 4186.8 J
1 h = 3600 sबाधार् { 1 किं = 4186.8 जूल
1 घं = 3600 से

Watts per Square Metre वाट प्रति वर्ग मीटर	0	10	20	30	40	50	60	70	80	90
	Kilocalories per square metre hour (kcal/m ² h)					किलोकैलोरी प्रति वर्ग मीटर घंटा (किं/मी ² घं)				
0	0	8.598 5	17.196 9	25.795 4	34.393 8	42.992 3	51.591	60.189	68.788	77.386
100	85.985	94.583	103.181	111.780	120.378	128.977	137.575	146.174	154.772	163.371
200	171.969	180.567	189.166	197.764	206.363	214.961	223.560	232.158	240.757	249.355
300	257.954	266.552	275.150	283.749	292.347	300.946	309.544	318.143	326.741	335.340
400	343.938	352.537	361.135	369.733	378.332	386.930	395.529	404.127	412.726	421.324
500	429.923	438.521	447.120	455.718	464.316	472.915	481.513	490.112	498.710	507.31
600	515.91	524.51	533.10	541.70	550.30	558.90	567.50	576.10	584.69	593.29
700	601.89	610.49	619.09	627.69	636.29	644.88	653.48	662.08	670.68	679.28
800	687.88	696.47	705.07	713.67	722.27	730.87	739.47	748.07	756.66	765.26
900	773.86	782.46	791.06	799.66	808.25	816.85	825.45	834.05	842.65	851.25
1 000	859.85	868.44	877.04	885.64	894.24	902.84	911.44	920.03	928.63	937.23
1 100	945.83	954.43	963.03	971.63	980.22	988.82	997.42	1 006.02	1 014.62	1 023.22
1 200	1 031.81	1 040.41	1 049.01	1 057.61	1 066.21	1 074.81	1 083.40	1 092.00	1 100.60	1 109.20
1 300	1 117.80	1 126.40	1 135.00	1 143.59	1 152.19	1 160.79	1 169.39	1 177.99	1 186.59	1 195.18
1 400	1 203.78	1 212.38	1 220.98	1 229.58	1 238.18	1 246.78	1 255.37	1 263.97	1 272.57	1 281.17
1 500	1 289.77	1 298.37	1 306.96	1 315.56	1 324.16	1 332.76	1 341.36	1 349.96	1 358.56	1 367.15
1 600	1 375.75	1 384.35	1 392.95	1 401.55	1 410.15	1 418.74	1 427.34	1 435.94	1 444.55	1 453.14
1 700	1 461.74	1 470.34	1 478.93	1 487.53	1 496.13	1 504.73	1 513.33	1 521.93	1 530.52	1 539.12
1 800	1 547.72	1 556.32	1 564.92	1 573.52	1 582.12	1 590.71	1 599.31	1 607.91	1 616.51	1 625.11
1 900	1 633.71	1 642.30	1 650.90	1 659.50	1 668.10	1 676.70	1 685.30	1 693.90	1 702.49	1 711.09
2 000	1 719.69	1 728.29	1 736.89	1 745.49	1 754.08	1 762.68	1 771.28	1 779.88	1 788.48	1 797.08
2 100	1 805.67	1 814.27	1 822.87	1 831.47	1 840.07	1 848.67	1 857.27	1 865.86	1 874.46	1 883.06
2 200	1 891.66	1 900.26	1 908.86	1 917.45	1 926.05	1 934.65	1 943.25	1 951.85	1 960.45	1 969.05
2 300	1 977.64	1 986.24	1 994.84	2 003.44	2 012.04	2 020.64	2 029.23	2 037.83	2 046.43	2 055.03
2 400	2 063.63	2 072.23	2 080.83	2 089.42	2 098.02	2 106.62	2 115.22	2 123.82	2 132.42	2 141.01
2 500	2 149.61	2 158.21	2 166.81	2 175.41	2 184.01	2 192.61	2 201.20	2 209.80	2 218.40	2 227.00
2 600	2 235.60	2 244.20	2 252.79	2 261.39	2 269.99	2 278.59	2 287.19	2 295.79	2 304.39	2 312.98
2 700	2 321.58	2 330.18	2 338.78	2 347.38	2 355.98	2 364.57	2 373.17	2 381.77	2 390.37	2 398.97
2 800	2 407.57	2 416.17	2 424.76	2 433.36	2 441.96	2 450.56	2 459.16	2 467.76	2 476.35	2 484.95
2 900	2 493.55	2 502.15	2 510.75	2 519.35	2 527.94	2 536.54	2 545.14	2 553.74	2 562.34	2 570.94
3 000	2 579.54	2 588.13	2 596.73	2 605.33	2 613.93	2 622.53	2 631.13	2 639.72	2 648.32	2 656.92
3 100	2 665.52	2 674.12	2 682.72	2 691.32	2 699.91	2 708.51	2 717.11	2 725.71	2 734.31	2 742.91
3 200	2 751.50	2 760.10	2 768.70	2 777.30	2 785.90	2 794.50	2 803.10	2 811.69	2 820.29	2 828.89
3 300	2 837.49	2 846.09	2 854.69	2 863.28	2 871.88	2 880.48	2 889.08	2 897.68	2 906.28	2 914.88
3 400	2 923.47	2 932.07	2 940.67	2 949.27	2 957.87	2 966.47	2 975.06	2 983.66	2 992.26	3 000.86
3 500	3 009.46	3 018.06	3 026.66	3 035.25	3 043.85	3 052.45	3 061.05	3 069.65	3 078.25	3 086.84
3 600	3 095.44	3 104.04	3 112.64	3 121.24	3 129.84	3 138.44	3 147.03	3 155.63	3 164.23	3 172.83
3 700	3 181.43	3 190.03	3 198.62	3 207.22	3 215.82	3 224.42	3 233.02	3 241.62	3 250.21	3 258.81
3 800	3 267.41	3 276.01	3 284.61	3 293.21	3 301.81	3 310.40	3 319.00	3 327.60	3 336.20	3 344.80
3 900	3 353.40	3 361.99	3 370.59	3 379.19	3 387.79	3 396.39	3 404.99	3 413.59	3 422.18	3 430.78
4 000	3 439.38	3 447.98	3 456.58	3 465.18	3 473.77	3 482.37	3 490.97	3 499.57	3 508.17	3 516.77
4 100	3 525.37	3 533.96	3 542.56	3 551.16	3 559.76	3 568.36	3 576.96	3 585.55	3 594.15	3 602.75
4 200	3 611.35	3 619.95	3 628.55	3 637.15	3 645.74	3 654.34	3 662.94	3 671.54	3 680.14	3 688.74
4 300	3 697.33	3 705.93	3 714.53	3 723.13	3 731.73	3 740.33	3 748.93	3 757.52	3 766.12	3 774.72
4 400	3 783.32	3 791.92	3 800.52	3 809.11	3 817.71	3 826.31	3 834.91	3 843.51	3 852.11	3 860.71
4 500	3 869.30	3 877.90	3 886.50	3 895.10	3 903.70	3 912.30	3 920.89	3 929.49	3 938.09	3 946.69
4 600	3 955.29	3 963.89	3 972.48	3 981.08	3 989.68	3 998.28	4 006.88	4 015.48	4 024.08	4 032.67
4 700	4 041.27	4 049.87	4 058.47	4 067.07	4 075.67	4 084.26	4 092.86	4 101.46	4 110.06	4 118.66
4 800	4 127.26	4 135.86	4 144.45	4 153.05	4 161.65	4 170.25	4 178.85	4 187.45	4 196.04	4 204.64
4 900	4 213.24	4 221.84	4 230.44	4 239.04	4 247.64	4 256.23	4 264.83	4 273.43	4 282.03	4 290.63
5 000	4 299.23									

NOTE — This table may also be used directly for converting watts per metre degree Celsius to kilocalories per metre hour degree Celsius, since 1 W/m deg C = 0.859 85 kcal/m h deg C.

नोट — इस सारणी का उपयोग वाट प्रति मीटर अंश सेल्सियस से किलोकैलोरी प्रति मीटर घंटा अंश सेल्सियस में परिवर्तन करने में
ज्यों का त्यों किया जा सकता है, क्योंकि 1 वा/मी अंश से = 0.859 85 किं/मी घं अंश से।

11. THERMAL CONDUCTANCE

TABLE 190 BRITISH THERMAL UNITS PER SQUARE FOOT HOUR DEGREE FAHRENHEIT TO WATTS PER SQUARE METRE DEGREE CELSIUS

Based on $\begin{cases} 9 \text{ Btu} = 5 \times 453.592 \text{ 4 cal} \\ 1 \text{ cal} = 4.186 \text{ 8 J} \\ 1 \text{ ft} = 0.304 \text{ 8 m} \end{cases}$

British Thermal Units per Square Foot Hour Degree Fahrenheit ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा अंश फारेनहाइट	0	100	200	300	400	500	600	700	800	900
	Watts per square metre degree Celsius ($\text{W/m}^2 \text{ deg C}$) वाट प्रति वर्ग मीटर अंश सेल्सियस (वा/मी ² अंश से)									
0	0	567.83	1 135.65	1 703.48	2 271.31	2 839.13	3 406.96	3 974.78	4 542.61	5 110.4
1 000	5 678.3	6 246.1	6 813.9	7 381.7	7 949.6	8 517.4	9 085.2	9 653.0	10 220.9	10 788.7
2 000	11 356.5	11 924.4	12 492.2	13 060.0	13 627.8	14 195.7	14 763.5	15 331.3	15 899.1	16 467.0
3 000	17 034.8	17 602.6	18 170.4	18 738.3	19 306.1	19 873.9	20 441.7	21 009.6	21 577.4	22 145.2
4 000	22 713.1	23 280.9	23 848.7	24 416.5	24 984.4	25 552.2	26 120.0	26 687.8	27 255.7	27 823.5
5 000	28 391.3	28 959.1	29 527.0	30 094.8	30 662.6	31 230.5	31 798.3	32 366.1	32 933.9	33 501.8
6 000	34 069.6	34 637.4	35 205.2	35 773.1	36 340.9	36 908.7	37 476.5	38 044.4	38 612.2	39 180.0
7 000	39 747.8	40 315.7	40 883.5	41 451.3	42 019.2	42 587.0	43 154.8	43 722.6	44 290.5	44 858.3
8 000	45 426.1	45 993.9	46 561.8	47 129.6	47 697.4	48 265.2	48 833.1	49 400.9	49 968.7	50 537
9 000	51 104	51 672	52 240.0	52 808	53 376	53 944	54 511	55 079	55 647	56 215
10 000	56 783									

11. ऊष्मा चालकता

सारणी 190 ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा अंश फारेनहाइट से वाट प्रति वर्ग मीटर अंश सेल्सियस में

आधार $\begin{cases} 9 \text{ ब्रिउइका} = 5 \times 453.592 \text{ 4 कै} \\ 1 \text{ कै} = 4.186 \text{ 8 जूल} \\ 1 \text{ फुट} = 0.304 \text{ 8 मी} \end{cases}$

TABLE 191 WATTS PER SQUARE METRE DEGREE CELSIUS TO BRITISH THERMAL UNITS PER SQUARE FOOT HOUR DEGREE FAHRENHEIT

Based on $\begin{cases} 9 \text{ Btu} = 5 \times 453.592 \text{ 4 cal} \\ 1 \text{ cal} = 4.186 \text{ 8 J} \\ 1 \text{ ft} = 0.304 \text{ 8 m} \end{cases}$

सारणी 191 वाट प्रति वर्ग मीटर अंश सेल्सियस से ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा अंश फारेनहाइट में

आधार $\begin{cases} 9 \text{ ब्रिउइका} = 5 \times 453.592 \text{ 4 कै} \\ 1 \text{ कै} = 4.186 \text{ 8 जूल} \\ 1 \text{ फुट} = 0.304 \text{ 8 मी} \end{cases}$

Watts per Square Metre Degree Celsius वाट प्रति वर्ग मीटर अंश सेल्सियस	0	1 000	2 000	3 000	4 000	5 000	6 000	7 000	8 000	9 000
	British thermal units per square foot hour degree fahrenheit ($\text{Btu/ft}^2 \text{ h deg F}$) ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा अंश फारेनहाइट (ब्रिउइका/फुट ² घं अंश फा)									
0	0	176.110	352.220	528.33	704.44	880.55	1 056.66	1 232.77	1 408.88	1 584.99
10 000	1 761.10	1 937.21	2 113.32	2 289.43	2 465.54	2 641.65	2 817.76	2 993.87	3 169.98	3 346.09
20 000	3 522.20	3 698.31	3 874.42	4 050.53	4 226.64	4 402.75	4 578.86	4 754.97	4 931.08	5 107.2
30 000	5 283.3	5 459.4	5 635.5	5 811.6	5 987.7	6 163.9	6 340.0	6 516.1	6 692.2	6 868.3
40 000	7 044.4	7 220.5	7 396.6	7 572.7	7 748.8	7 925.0	8 101.1	8 277.2	8 453.3	8 629.4
50 000	8 805.5	8 981.6	9 157.7	9 333.8	9 509.9	9 686.1	9 862.2	10 038.3	10 214.4	10 390.5
60 000	10 566.6	10 742.7	10 918.8	11 094.9	11 271.1	11 447.2	11 623.3	11 799.4	11 975.5	12 151.6
70 000	12 327.7	12 503.8	12 679.9	12 856.0	13 032.2	13 208.3	13 384.4	13 560.5	13 736.6	13 912.7
80 000	14 088.8	14 264.9	14 441.0	14 617.1	14 793.3	14 969.4	15 145.5	15 321.6	15 497.7	15 673.8
90 000	15 849.9	16 026.0	16 202.1	16 378.2	16 554.4	16 730.5	16 906.6	17 082.7	17 258.8	17 434.9
100 000	17 611.0									

12. THERMAL CONDUCTIVITY

TABLE 192 BRITISH THERMAL UNITS PER FOOT HOUR DEGREE FAHRENHEIT TO WATTS PER METRE DEGREE CELSIUS

Based on $\begin{cases} 9 \text{ Btu} = 5 \times 453.592.4 \text{ cal} \\ 1 \text{ cal} = 4.1868 \text{ J} \\ 1 \text{ ft} = 0.3048 \text{ m} \\ 9 \text{ deg F} = 5 \text{ deg C} \end{cases}$

12. ऊष्मा चालन शक्ति

सारणी 192 ब्रिटिश ऊष्मा इकाई प्रति फुट घंटा अंश फारेन-हाइट से वाट प्रति मीटर अंश सेल्सियस में

आधार $\begin{cases} 9 \text{ ब्रिऊका} = 5 \times 453.592.4 \text{ कै} \\ 1 \text{ कै} = 4.1868 \text{ जूल} \\ 1 \text{ फुट} = 0.3048 \text{ मी} \\ 9 \text{ अंश फा} = 5 \text{ अंश से} \end{cases}$

British Thermal Units per Foot Hour Degree Fahrenheit ब्रिटिश ऊष्मा इकाई प्रति फुट घंटा अंश फारेनहाइट	0	1	2	3	4	5	6	7	8	9
	Watts per metre degree Celsius (W/m deg C)					वाट प्रति मीटर अंश सेल्सियस (वा/मी अंश से)				
0	0	1.730 73	3.461 47	5.192 2	6.922 9	8.653 7	10.384 4	12.115 1	13.845 9	15.576 6
10	17.307 3	19.038 1	20.768 8	22.499 6	24.230 3	25.961 0	27.691 8	29.422 5	31.153 2	32.884 0
20	34.614 7	36.345 4	38.076 2	39.806 9	41.537 6	43.268 4	44.999 1	46.729 8	48.460 6	50.191
30	51.922	53.653	55.384	57.114	58.845	60.576	62.306	64.037	65.768	67.499
40	69.229	70.960	72.691	74.422	76.152	77.883	79.614	81.345	83.075	84.806
50	86.537	88.267	89.998	91.729	93.460	95.190	96.921	98.652	100.383	102.113
60	103.844	105.575	107.306	109.036	110.767	112.498	114.228	115.959	117.690	119.421
70	121.151	122.882	124.613	126.344	128.074	129.805	131.536	133.267	134.997	136.728
80	138.459	140.190	141.920	143.651	145.382	147.112	148.843	150.574	152.305	154.035
90	155.766	157.497	159.228	160.958	162.689	164.420	166.151	167.881	169.612	171.343
100	173.073	174.804	176.535	178.266	179.996	181.727	183.458	185.189	186.919	188.650
110	190.381	192.112	193.842	195.573	197.304	199.034	200.765	202.496	204.227	205.957
120	207.688	209.419	211.150	212.880	214.611	216.342	218.073	219.803	221.534	223.265
130	224.996	226.726	228.457	230.188	231.918	233.649	235.380	237.111	238.841	240.572
140	242.303	244.034	245.764	247.495	249.226	250.957	252.687	254.418	256.149	257.879
150	259.610	261.341	263.072	264.802	266.533	268.264	269.995	271.725	273.456	275.187
160	276.918	278.648	280.379	282.110	283.841	285.571	287.302	289.033	290.763	292.494
170	294.225	295.956	297.686	299.417	301.148	302.879	304.609	306.340	308.071	309.802
180	311.532	313.263	314.994	316.724	318.455	320.186	321.917	323.647	325.378	327.109
190	328.840	330.570	332.301	334.032	335.763	337.493	339.224	340.955	342.685	344.416
200	346.147	347.878	349.608	351.339	353.070	354.801	356.531	358.262	359.993	361.724
210	363.454	365.185	366.916	368.647	370.377	372.108	373.839	375.569	377.300	379.031
220	380.762	382.492	384.223	385.954	387.685	389.415	391.146	392.877	394.608	396.338
230	398.069	399.800	401.530	403.261	404.992	406.723	408.453	410.184	411.915	413.646
240	415.376	417.107	418.838	420.569	422.299	424.030	425.761	427.491	429.222	430.953
250	432.684									

NOTE — For converting kilocalories per metre hour degree Celsius to watts per metre degree Celsius, Table 188 may be used directly since $1 \text{ kcal/m h deg C} = 1.163 \text{ W/m deg C}$.

नोट — किलोकैलोरी प्रति मीटर घंटा अंश सेल्सियस से वाट प्रति मीटर अंश सेल्सियस में परिवर्तन करने के लिए सारणी 188 को ज्यों का त्यों काम में लाइए क्योंकि $1 \text{ कै/मी घं अं से} = 1.163 \text{ वा/मी अं से}$ ।

TABLE 193 WATTS PER METRE DEGREE CELSIUS TO BRITISH THERMAL UNITS PER FOOT HOUR DEGREE FAHRENHEIT

सारणी 193 वाट प्रति मीटर अंश सेल्सियस से ब्रिटिश ऊष्मा इकाई प्रति फुट घंटा अंश फारेनहाइट में

Based on {
 9 Btu = 5×453.5924 cal
 1 cal = 4.1868 J
 1 ft = 0.3048 m
 9 deg F = 5 deg C

आधार {
 9 ब्रिटिश इकाई = 5×453.5924 कै
 1 कै = 4.1868 जूल
 1 फुट = 0.3048 मी
 9 अंश फा = 5 अंश से

Watts per Metre Degree Celsius वाट प्रति मीटर अंश सेल्सियस	0	1	2	3	4	5	6	7	8	9
	British thermal units per foot hour degree fahrenheit (Btu/ft h deg F)					ब्रिटिश ऊष्मा इकाई प्रति फुट घंटा अंश फारेनहाइट (ब्रिटिश इकाई/फुट घंटा अंश)				
0	0	0.577 79	1.155 5	1.733 37	2.311 16	2.888 95	3.466 74	4.044 52	4.622 31	5.200 1
10	5.777 9	6.355 7	6.933 5	7.511 3	8.089 0	8.666 8	9.244 6	9.822 4	10.400 2	10.978 0
20	11.555 8	12.133 6	12.711 4	13.289 2	13.866 9	14.444 7	15.022 5	15.600 3	16.178 1	16.755 9
30	17.333 7	17.911 5	18.489 3	19.067 0	19.644 8	20.222 6	20.800 4	21.378 2	21.956 0	22.533 8
40	23.111 6	23.689 4	24.267 1	24.844 9	25.422 7	26.000 5	26.578 3	27.156 1	27.733 9	28.311 7
50	28.889 5	29.467 3	30.045 0	30.622 8	31.200 6	31.778 4	32.356 2	32.934 0	33.511 8	34.089 6
60	34.667 4	35.245 1	35.822 9	36.400 7	36.978 5	37.556 3	38.134 1	38.711 9	39.289 7	39.867 5
70	40.445 2	41.023 0	41.600 8	42.178 6	42.756 4	43.334 2	43.912 0	44.489 8	45.067 6	45.645 4
80	46.223 1	46.800 9	47.378 7	47.956 5	48.534 3	49.112 1	49.689 9	50.268	50.845	51.423
90	52.001	52.579	53.157	53.734	54.312	54.890	55.468	56.046	56.623	57.201
100	57.779	58.357	58.935	59.512	60.090	60.668	61.246	61.823	62.401	62.979
110	63.557	64.135	64.712	65.290	65.868	66.446	67.024	67.601	68.179	68.757
120	69.335	69.913	70.490	71.068	71.646	72.224	72.801	73.379	73.957	74.535
130	75.113	75.690	76.268	76.846	77.424	78.002	78.579	79.157	79.735	80.313
140	80.890	81.468	82.046	82.624	83.202	83.779	84.357	84.935	85.513	86.091
150	86.668	87.246	87.824	88.402	88.980	89.557	90.135	90.713	91.291	91.868
160	92.446	93.024	93.602	94.180	94.757	95.335	95.913	96.491	97.069	97.646
170	98.224	98.802	99.380	99.958	100.535	101.113	101.691	102.269	102.846	103.424
180	104.002	104.580	105.158	105.735	106.313	106.891	107.469	108.047	108.624	109.202
190	109.979	110.558	111.136	111.713	112.291	112.869	113.447	114.024	114.602	115.180
200	115.558	116.136	116.713	117.291	117.869	118.447	119.025	119.602	120.180	120.758
210	121.336	121.914	122.491	123.069	123.647	124.225	124.802	125.380	125.958	126.536
220	127.114	127.691	128.269	128.847	129.425	130.003	130.580	131.158	131.736	132.314
230	132.892	133.469	134.047	134.625	135.203	135.780	136.358	136.936	137.514	138.092
240	138.669	139.247	139.825	140.403	140.981	141.558	142.136	142.714	143.292	143.870
250	144.447	145.025	145.603	146.181	146.758	147.336	147.914	148.492	149.070	149.647
260	150.225	150.803	151.381	151.959	152.536	153.114	153.692	154.270	154.848	155.425
270	156.003	156.581	157.159	157.736	158.314	158.892	159.470	160.048	160.625	161.203
280	161.781	162.359	162.937	163.514	164.092	164.670	165.248	165.826	166.403	166.981
290	167.559	168.137	168.714	169.292	169.870	170.448	171.026	171.603	172.181	172.759
300	173.337	173.915	174.492	175.070	175.648	176.226	176.804	177.381	177.959	178.537
310	179.115	179.692	180.270	180.848	181.426	182.004	182.581	183.159	183.737	184.315
320	184.893	185.470	186.048	186.626	187.204	187.782	188.359	188.937	189.515	190.093
330	190.670	191.248	191.826	192.404	192.982	193.559	194.137	194.715	195.293	195.871
340	196.448	197.026	197.604	198.182	198.760	199.337	199.915	200.493	201.071	201.648
350	202.226	202.804	203.382	203.960	204.537	205.115	205.693	206.271	206.849	207.426
360	208.004	208.582	209.160	209.738	210.315	210.893	211.471	212.049	212.626	213.204
370	213.782	214.360	214.938	215.515	216.093	216.671	217.249	217.827	218.404	218.982
380	219.560	220.138	220.716	221.293	221.871	222.449	223.027	223.604	224.182	224.760
390	225.338	225.916	226.493	227.071	227.649	228.227	228.805	229.382	229.960	230.538
400	231.116	231.694	232.271	232.849	233.427	234.005	234.582	235.160	235.738	236.316
410	236.894	237.471	238.049	238.627	239.205	239.783	240.360	240.938	241.516	242.094
420	242.671	243.249	243.827	244.405	244.983	245.560	246.138	246.716	247.294	247.872
430	248.449	249.027	249.605	250.183	250.761	251.338	251.916	252.494	253.072	253.649
440	254.227	254.805	255.383	255.961	256.538	257.116	257.694	258.272	258.850	259.427
450	260.005	260.583	261.161	261.739	262.316	262.894	263.472	264.050	264.627	265.205
460	265.783	266.361	266.939	267.516	268.094	268.672	269.250	269.828	270.405	270.983
470	271.561	272.139	272.717	273.294	273.872	274.450	275.028	275.605	276.183	276.761
480	277.339	277.917	278.494	279.072	279.650	280.228	280.806	281.383	281.961	282.539
490	283.117	283.695	284.272	284.850	285.428	286.006	286.583	287.161	287.739	288.317
500	288.895									

NOTE—For converting watts per metre degree Celsius to kilocalories per metre hour degree Celsius, Table 189 may be directly used since $1 \text{ W/m deg C} = 0.85985 \text{ kcal/m h deg C}$.

नोट—वाट प्रति मीटर अंश सेल्सियस से किलोकैलोरी प्रति मीटर घंटा अंश सेल्सियस में परिवर्तन के लिए सारणी 189 को ज्यो का लें काम में लाइए क्योंकि $1 \text{ वा/मी अंश से} = 0.85985 \text{ कि.कै/मी घं अंश से}$ ।

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To Convert	To	Multiply by	Reference Table
Bar	Kilograms Force per Square Centimetre	101.972	[see Note 3 (a) under Table 153]
British Thermal Units	Kilojoules	1.055 06	176
British Thermal Units per Cubic Foot	Kilojoules per Cubic Metre	37.258 9	182
British Thermal Units per Cubic Foot Degree Fahrenheit	Kilojoules per Cubic Metre Degree Celsius	67.066	184
British Thermal Units per Foot Hour Degree Fahrenheit	Watts per Metre Degree Celsius	1.730 73	192
British Thermal Units per Pound	Kilojoules per Kilogram	2.326	180
British Thermal Units per Square Foot Hour	Watts per Square Metre	3.154 59	186
British Thermal Units per Square Foot Hour Degree Fahrenheit	Watts per Square Metre Degree Celsius	5.678 3	190
Calories	Joules	4.186 8	178
Centimetres of Water	Newtons per Square Metre	0.980 66	[see Note 1 (b) under Table 152]
Feet of Water	Kilonewtons per Square Metre	2.989 07	168
Foot Pounds Force	Joules	1.355 82	172
Hectobar	Kilograms Force per Square Millimetre	101.972	[see Note 3 (b) under Table 153]
Inches of Mercury	Kilonewtons per Square Metre	3.386 39	164
Inches of Water	Kilonewtons per Square Metre	0.249 089	170
Joules	Calories	0.238 846	179
Joules	Foot Pounds Force	0.737 56	173
Joules	Kilograms Force Metre	0.101 972	[see Note 4 under Table 153]
Kilocalories per Metre Hour Degree Celsius	Watts per Metre Degree Celsius	1.163	[see Note 4 under Table 188]
Kilocalories per Square Metre Hour	Watts per Square Metre	1.163	188
Kilogram's Force	Newtons	9.806 6	152
Kilograms Force Metre	Joules	9.806 6	[see Note 4 under Table 152]
Kilograms Force per Square Centimetre	Bar	0.009 806 6	[see Note 3 (a) under Table 152]
Kilograms Force per Square Centimetre	Kilonewtons per Square Metre	0.980 66	[see Note 1 (a) under Table 152]
Kilograms Force per Square Millimetre	Hectobar	0.009 806 6	[see Note 3 (b) under Table 152]
Kilograms Force per Square Millimetre	Mega-newtons per Square Metre	0.098 066	[see Note 2 under Table 152]
Kilograms per Metre	Pounds per Inch	0.055 997	151
Kilojoules	British Thermal Units	0.947 82	177
Kilojoules per Cubic Metre	British Thermal Units per Cubic Foot	0.026 839 2	183
Kilojoules per Cubic Metre Degree Celsius	British Thermal Units per Cubic Foot Degree Fahrenheit	0.014 910 7	185
Kilojoules per Kilogram	British Thermal Units per Pound	0.429 923	181
Kilonewtons	Tons Force	0.100 361	157
Kilonewtons per Square Centimetre	Kilograms Force per Square Centimetre	1.019 72	[see Note 1 (a) under Table 153]
Kilonewtons per Square Metre	Feet of Water	0.334 553	169
Kilonewtons per Square Metre	Inches of Mercury	0.295 300	165
Kilonewtons per Square Metre	Inches of Water	4.014 63	171
Kilonewtons per Square Metre	Millimetres of Mercury	7.500 6	167
Kilonewtons per Square Metre	Pounds Force per Square Inch	0.145 038	161
Kilowatt Hours	Megajoules	3.6	174
Megajoules	Kilowatt Hours	0.277 778	175
Meganewtons per Square Metre	Kilograms Force per Square Millimetre	10.197 2	[see Note 2 under Table 153]
Meganewtons per Square Metre	Tons Force per Square Inch	0.064 749	159

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To Convert	To	Multiply by	Reference Table
Millimetres of Mercury	Kilonewtons per Square Metre	0.133 322	166
Newtons	Kilograms Force	0.101 972	153
Newtons	Pounds Force	0.224 809	155
Newtons per Square Metre	Centimetres of Water	1.019 72	[see Note 1 (b) under Table 153]
Newtons per Square Metre	Pounds Force per Square Foot	0.020 885 4	163
Pounds Force	Newtons	4.448 22	154
Pounds Force per Square Foot	Newtons per Square Metre	47.880 3	162
Pounds Force per Square Inch	Kilonewtons per Square Metre	6.894 8	160
Pounds per Inch	Kilograms per Metre	17.858 0	150
Tons Force	Kilonewtons	9.964 0	156
Tons Force per Square Inch	Meganewtons per Square Metre	15.444 3	158
Watts per Metre Degree Celsius	British Thermal Units per Foot Hour Degree Fahrenheit	0.577 789	193
Watts per Metre Degree Celsius	Kilocalories per Metre Hour Degree Celsius	0.859 85	[see Note under Table 189]
Watts per Square Metre	British Thermal Units per Square Foot Hour	0.316 998	187
Watts per Square Metre	Kilocalories per Square Metre Hour	0.859 85	189
Watts per Square Metre Degree Celsius	British Thermal Units per Square Foot Hour Degree Fahrenheit	0.176 110	191

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परिवर्तनार्थ इकाई	परिणामी इकाई	गुणक	सारिणी संख्या
किलो कैलोरी प्रति मीटर घंटा अंश सेल्सियस	वाट प्रति मीटर अंश सेल्सियस	1.163	सारिणी 188 के नीचे नोट देखिए
किलो कैलोरी प्रति वर्ग मीटर घंटा	वाट प्रति वर्ग मीटर	1.163	188
किलोग्राम-बल	न्यूटन	9.806 6	152
किलोग्राम-बल मीटर	जूल	9.806 6	सारिणी 152 के नीचे नोट 4 देखिए
किलोग्राम-बल प्रति वर्ग सेंटीमीटर	बार	0.009 806 6	सारिणी 152 के नीचे नोट 3 (क) देखिए
किलोग्राम-बल प्रति वर्ग सेंटीमीटर	किलोन्यूटन प्रति वर्ग मीटर	0.980 66	सारिणी 152 के नीचे नोट 1 (क) देखिए
किलोग्राम-बल प्रति वर्ग मिलिमीटर	हेक्टाबार	0.009 806 6	सारिणी 152 के नीचे नोट 3 (ख) देखिए
किलोग्राम-बल प्रति वर्ग मिलिमीटर	मेगान्यूटन प्रति वर्ग मीटर	0.098 066	सारिणी 152 के नीचे नोट 2 देखिए
किलोग्राम प्रति मीटर	पौंड प्रति इंच	0.055 997	151
किलोजूल	ब्रिटिश ऊष्मा इकाई	0.947 82	177
किलोजूल प्रति घन मीटर	ब्रिटिश ऊष्मा इकाई प्रति घन फुट	0.026 839 2	183
किलोजूल प्रति घन मीटर अंश सेल्सियस	ब्रिटिश ऊष्मा इकाई प्रति घन फुट अंश फारेनहाइट	0.014 910 7	185
किलोजूल प्रति किलोग्राम	ब्रिटिश ऊष्मा इकाई प्रति पौंड	0.429 923	181
किलोन्यूटन	टन-बल	0.100 361	157
किलोन्यूटन प्रति वर्ग सेंटीमीटर	किलोग्राम-बल प्रति वर्ग सेंटीमीटर	1.019 72	सारिणी 153 के नीचे नोट 1 (क) देखिए
किलोन्यूटन प्रति वर्ग मीटर	जल फुट	0.334 553	169
किलोन्यूटन प्रति वर्ग मीटर	पारा इंच	0.295 300	165
किलोन्यूटन प्रति वर्ग मीटर	जल इंच	4.014 63	171
किलोन्यूटन प्रति वर्ग मीटर	पारा मिलिमीटर	7.500 6	167
किलोन्यूटन प्रति वर्ग मीटर	पौंड-बल प्रति वर्ग इंच	0.145 038	161
किलो वाट घंटा	मेगाजूल	3.6	174
कैलोरी	जूल	4.186 8	178
जल फुट	किलोन्यूटन प्रति वर्ग मीटर	2.989 07	168
जल सेंटीमीटर	न्यूटन प्रति वर्ग मीटर	0.980 66	सारिणी 152 के नीचे नोट 1 (ख) देखिए
जल इंच	किलोन्यूटन प्रति वर्ग मीटर	0.249 089	170
जल	कैलोरी	0.238 846	179
जून	फुट पौंड-बल	0.737 56	173
जूल	किलोग्राम-बल मीटर	0.101 972	सारिणी 153 के नीचे नोट 4 देखिए
टन-बल	किलोन्यूटन	9.964 0	156
टन-बल प्रति वर्ग इंच	मेगान्यूटन प्रति वर्ग मीटर	15.444 3	158
न्यूटन	किलोग्राम-बल	0.101 972	153
न्यूटन	पौंड-बल	0.224 809	155
न्यूटन प्रति वर्ग मीटर	जल सेंटीमीटर	1.019 72	सारिणी 153 के नीचे नोट 1 (ख) देखिए
न्यूटन प्रति वर्ग मीटर	पौंड-बल प्रति वर्ग फुट	0.020 885 4	163
पारा इंच	किलोन्यूटन प्रति वर्ग मीटर	3.386 39	164
पौंड-बल	न्यूटन	4.448 22	154
पौंड-बल प्रति वर्ग फुट	न्यूटन प्रति वर्ग मीटर	47.880 3	162
पौंड-बल प्रति वर्ग इंच	किलोन्यूटन प्रति वर्ग मीटर	6.894 8	160
पौंड प्रति इंच	किलोग्राम प्रति मीटर	17.858 0	150
फुट पौंड बल	जूल	1.355 82	172
ब्रिटिश ऊष्मा इकाई	किलोजूल	1.055 06	176
ब्रिटिश ऊष्मा इकाई प्रति घन फुट	किलोजूल प्रति घन मीटर	37.258 9	182
ब्रिटिश ऊष्मा इकाई प्रति घन फुट अंश फारेनहाइट	किलोजूल प्रति घन मीटर अंश सेल्सियस	67.066	184
ब्रिटिश ऊष्मा इकाई प्रति फुट घंटा अंश फारेनहाइट	वाट प्रति मीटर अंश सेल्सियस	1.730 73	192
ब्रिटिश ऊष्मा इकाई प्रति पौंड	किलोजूल प्रति किलोग्राम	2.326	180
ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा	वाट प्रति वर्ग मीटर	3.154 59	186

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परिवर्तनार्थ इकाई	परिणामी इकाई	गुणक	सारिणी संख्या
ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा अंश फारेनहाइट	वाट प्रति वर्ग मीटर अंश सेल्सियस	5.678 3	190
मिलिमीटर पारा	किलोन्यूटन प्रति वर्ग मीटर	0.133 322	166
मेगाजूल	किलोवाट घंटा	0.277 778	175
मेगान्यूटन प्रति वर्ग मीटर	किलोग्राम-बल प्रति वर्ग मिलिमीटर	10.197 2	सारिणी 153 के नीचे नोट 2 देखिए
मेगान्यूटन प्रति वर्ग मीटर	टन-बल प्रति वर्ग इंच	0.064 749	159
वाट प्रति मीटर अंश सेल्सियस	ब्रिटिश ऊष्मा इकाई प्रति फुट घंटा अंश फारेनहाइट	0.577 789	193
वाट प्रति मीटर अंश सेल्सियस	किलोकैलोरी प्रति मीटर घंटा अंश सेल्सियस	0.859 85	सारिणी 189 के नीचे नोट देखिए
वाट प्रति वर्ग मीटर	ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा	0.316 998	187
वाट प्रति वर्ग मीटर	किलोकैलोरी प्रति वर्ग मीटर घंटा	0.859 85	189
वाट प्रति वर्ग मीटर अंश सेल्सियस	ब्रिटिश ऊष्मा इकाई प्रति वर्ग फुट घंटा अंश फारेनहाइट	0.176 110	191
बार	किलोग्राम-बल प्रति वर्ग सेंटीमीटर	101.972	सारिणी 153 के नीचे नोट 3 (क) देखिए
हेक्टोबार	किलोग्राम-बल प्रति वर्ग मिलिमीटर	101.972	सारिणी 153 के नीचे नोट 3 (ख) देखिए

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भारतीय मानक संस्था महानिदेशालय मानक विषय समिति, का. स. 5

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